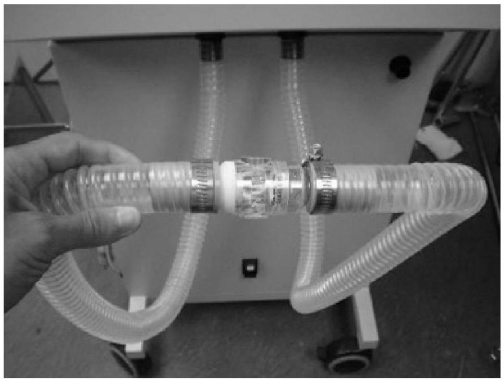
Leak Test Procedure
For the Pulmonex

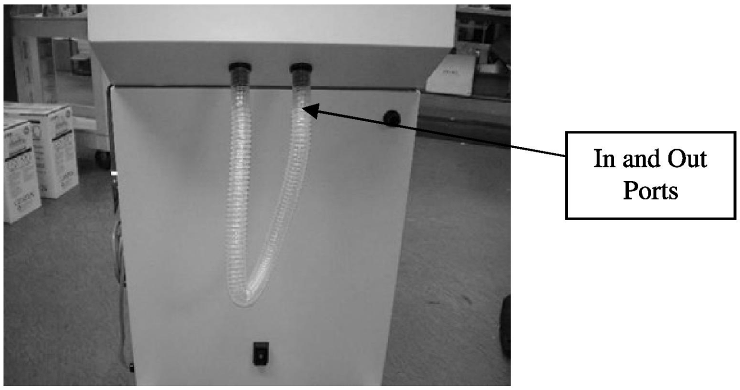
Tools Required:

Oxygen, Air Tank
1/8 Hex Head Allen Key
Medium Phillips Head Screw Driver

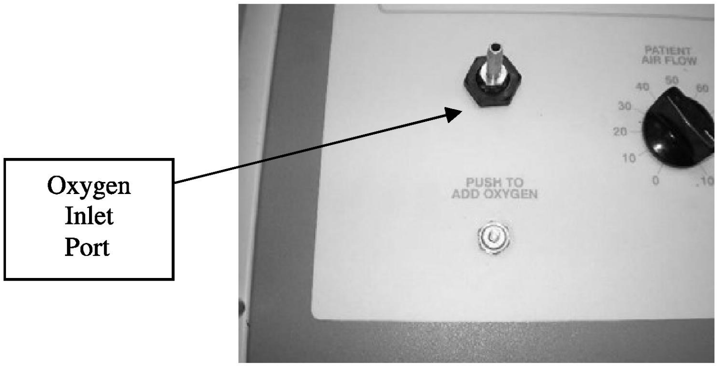
1. Remove the two 36 inch clean bore tubing hoses and valve from the patient side of the Pulmonex.



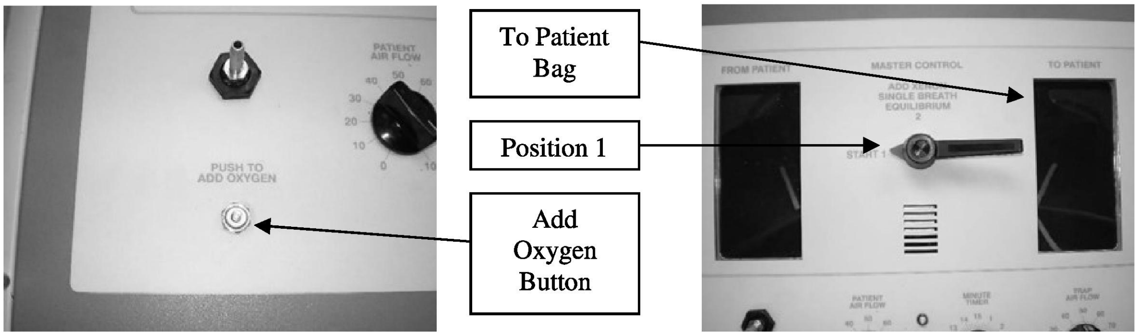
2. Attach one of the 36" Clean Bore Tubing hoses to the Patient side in and out ports of the Pulmonex.



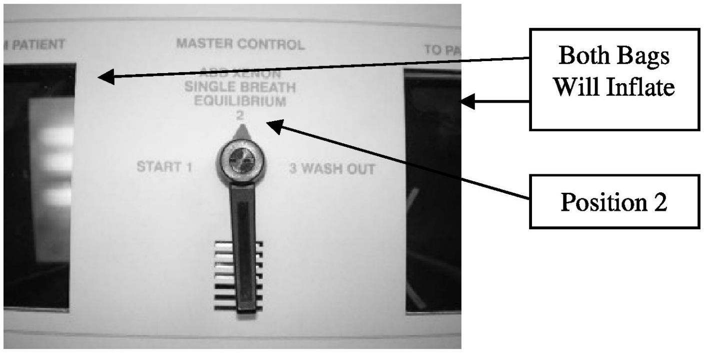
3. Hook up the Oxygen or Air Tank to the Oxygen Inlet Port. Only use about 8 psi.


Oxygen Inlet Port
PATIENT AIR FLOW
PUSH TO ADD OXYGEN

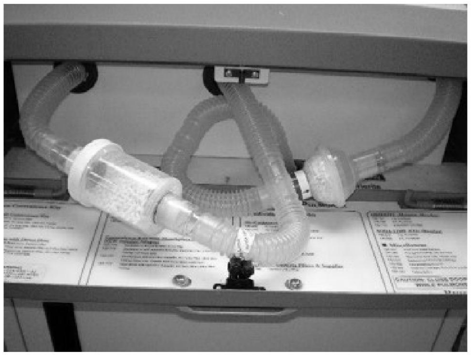
4. Place the Master Control Handle to Position One. Press the Add Oxygen Button until the 10 Liter Breathing Bag on the To Patient Side fully inflates. Stop and check for leaks. The Bag should stay inflated.


To Patient Bag
Position 1
Add Oxygen Button
PATIENT AIR FLOW
PUSH TO ADD OXYGEN
FROM PATIENT
MASTER CONTROL
ADD XENON SINGLE BREATH EQUILIBRIUM 2
START 1
TO PATIENT

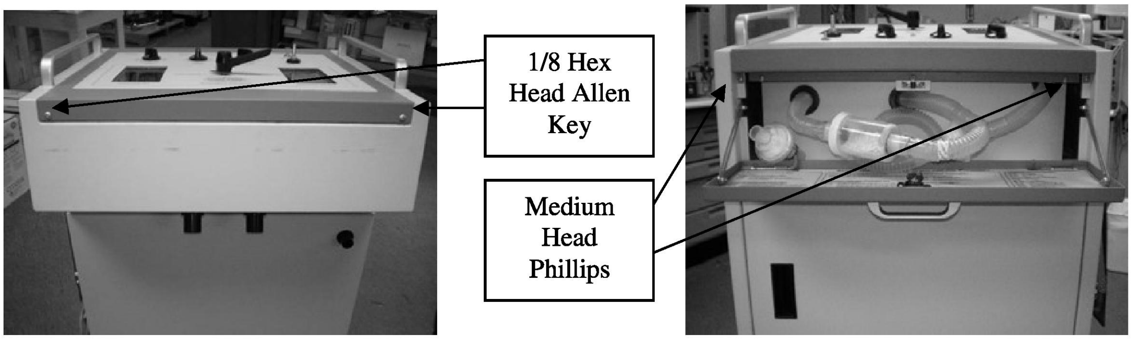
5. If there are not leaks move the Mater Control Handle to Position 2. The To Patient Bag will start do deflate and the From Patient will start to inflate. Press the Add Oxygen Button and inflate both of the 10 Liter Bags.


Both Bags Will Inflate
Position 2
MASTER CONTROL
SINGLE BREATH EQUILIBRIUM 2
START 1
3 WASH OUT

6. Check for leaks. The most leaks are found in the front drop down drawer. Check and see if the Soda-Lime or Drierite cartridges are completely sealed.

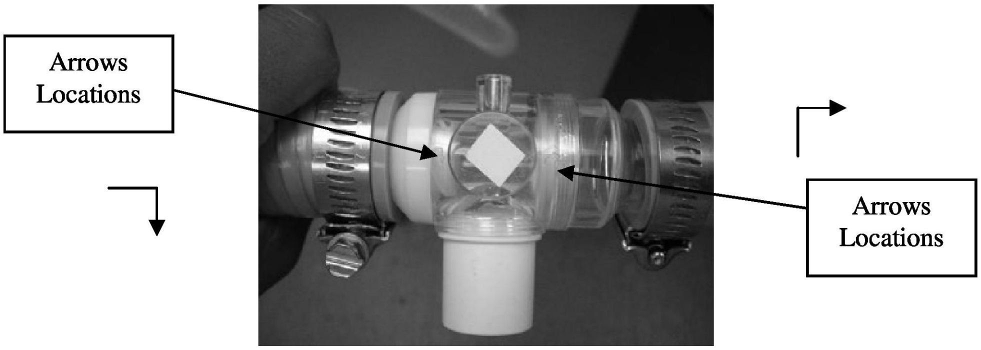


7. If problem consists you will have to open up the top by removing the 4 Screws.


1/8 Hex Head Allen Key
Medium Head Phillips

8. An easy way to check for leaks is to use soapy water and look for bubbles when the oxygen or air is in the system.

9. Once the system has passed the Leak Test put back the two 36 inch hoses and valve back onto the patient side of the Pulmonex making sure that the valve is going with the correct direction of air flow by using the arrows on the valve.

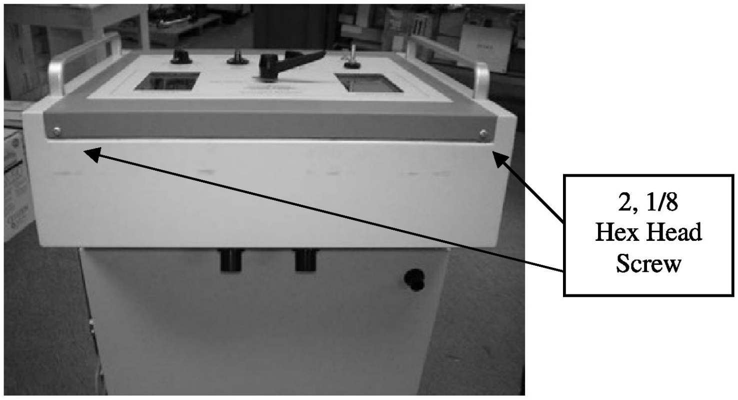

Arrows Locations
Arrows Locations

Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

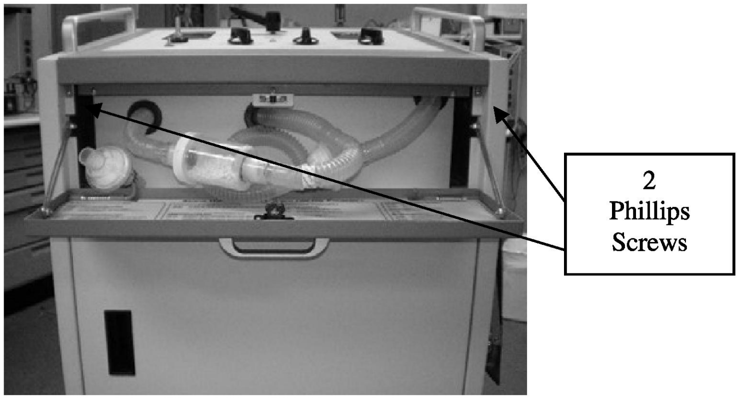
How to Access Inside
Of Pulmonex Top

Tools Required:
Medium Phillips Screw Driver
1/8 Hex Head Allen Key
10" Block of 2x4
5/16 Nut Driver

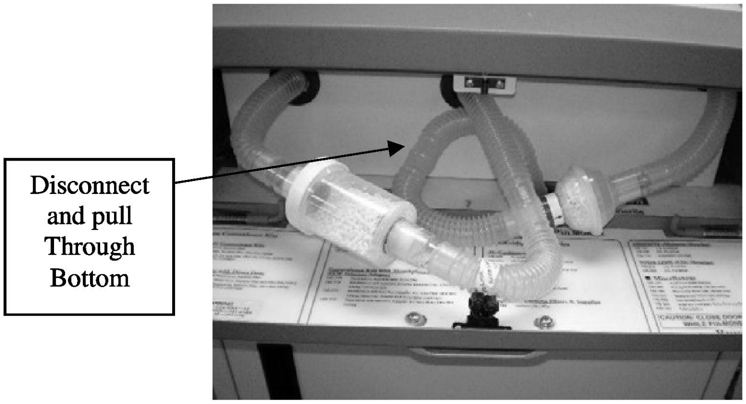
1. Remove the two 1/8 Hex head screws from the patient side of the Pulmonex.


2, 1/8
Hex Head
Screw

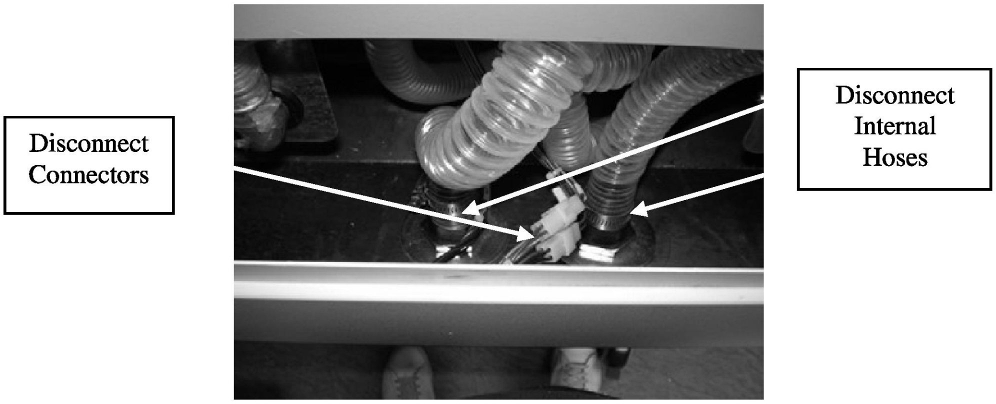
2. Drop down the Draw and Remove the 2 Phillips Head Screws from the front of the system.


2
Phillips
Screws

3. Disconnect the Hose from the Drierite container and pull through to the bottom cabinet. This will keep the hose from getting crushed when you move the top forward.


Disconnect and pull Through Bottom

4. Lift the Pulmonex Top up and slide it forward. Disconnect the internal hoses with a 5/16 Nut Driver and disconnect the power connectors.


Disconnect Connectors

Disconnect Internal Hoses

5. Once you disconnect the Internal Hoses you can remove the top and put it on a table to work on.

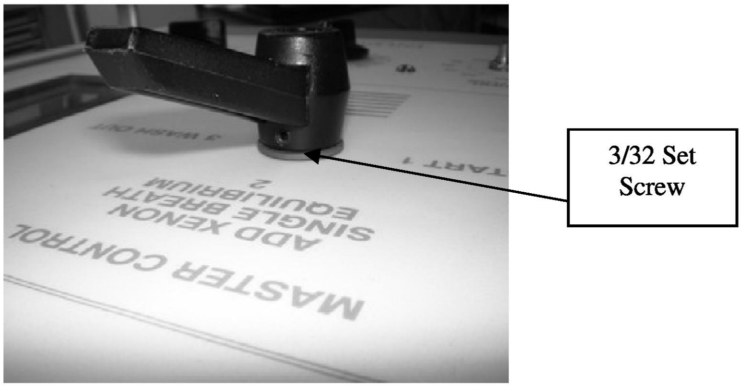
Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

10-Way Valve
Replacement

Tools Required:

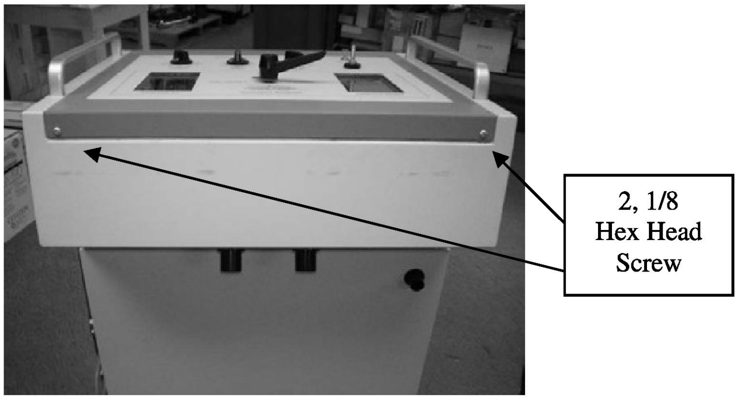
- 3/32 Hex Head Allen Key
- 1/8 Hex Head Allen Key
- 5/16 Nut Driver
- Medium Size Phillips Screwdriver
- 10” Block of 2x4

1. Under the Handle there is a 3/32 Hex Head Set Screw. Remove the set screw and unscrew the handle so just the threaded shaft is showing. If it will not unscrew you will need to open the top first. Go to step 13.



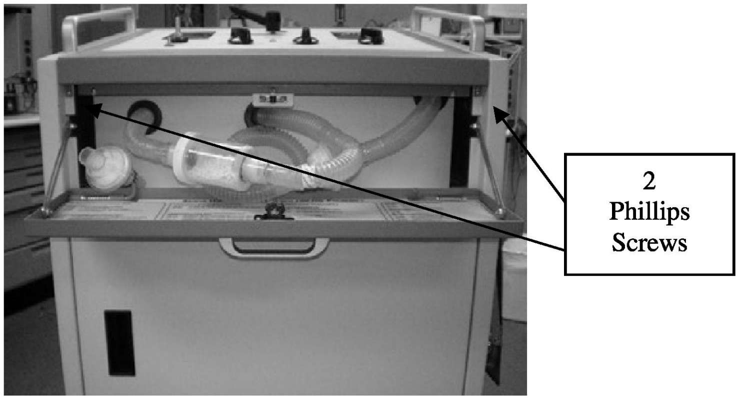
3/32 Set Screw

2. Remove the two 1/8 Hex head screws from the patient side of the Pulmonex.

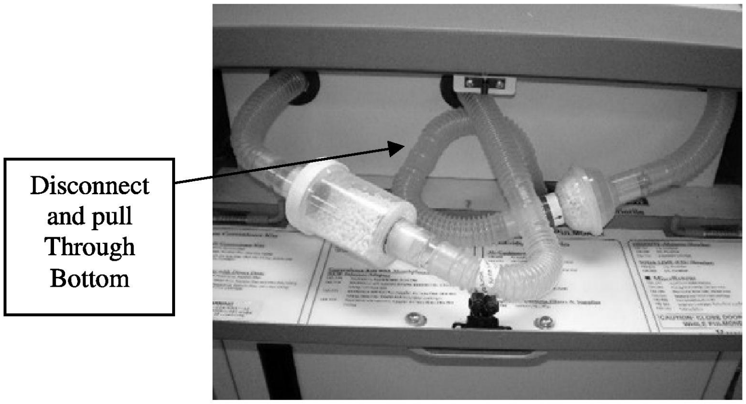


2, 1/8 Hex Head Screw

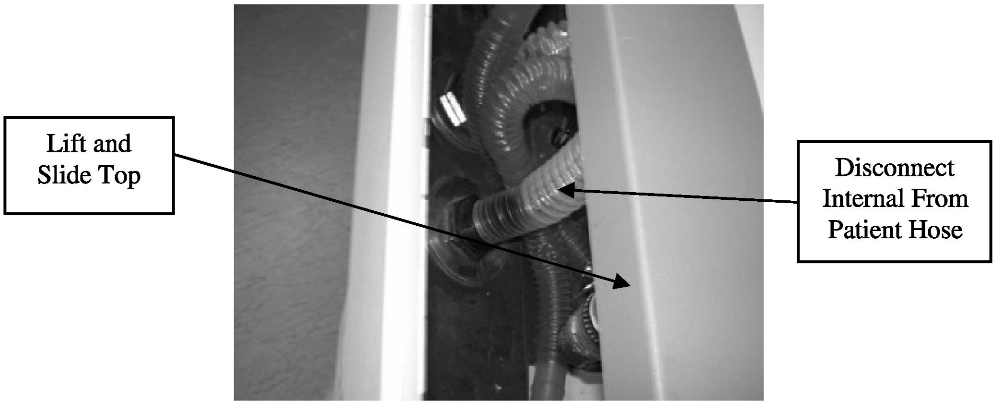
3. Drop down the Draw and Remove the 2 Phillips Head Screws from the front of the system.


2 Phillips Screws

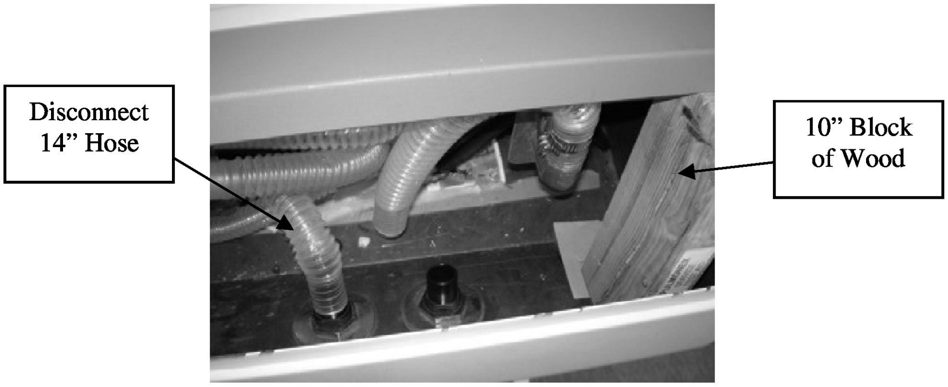
4. Disconnect the Hose from the Drierite container and pull through to the bottom cabinet. This will keep the hose from getting crushed when you move the top forward.


Disconnect and pull Through Bottom

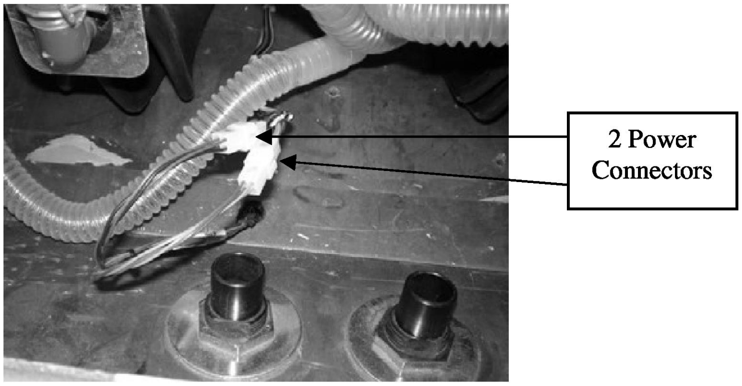
5. Lift the Pulmonex Top up and slide it forward. In order to prop the top up you must disconnect the internal 14" From Patient Hose.


Lift and Slide Top
Disconnect Internal From Patient Hose

6. Once you disconnect the Internal Hose you can use a 10" 2x4 to prop the top open. Then disconnect the Too Patient Internal 14" Hose.


Disconnect 14" Hose
10" Block of Wood

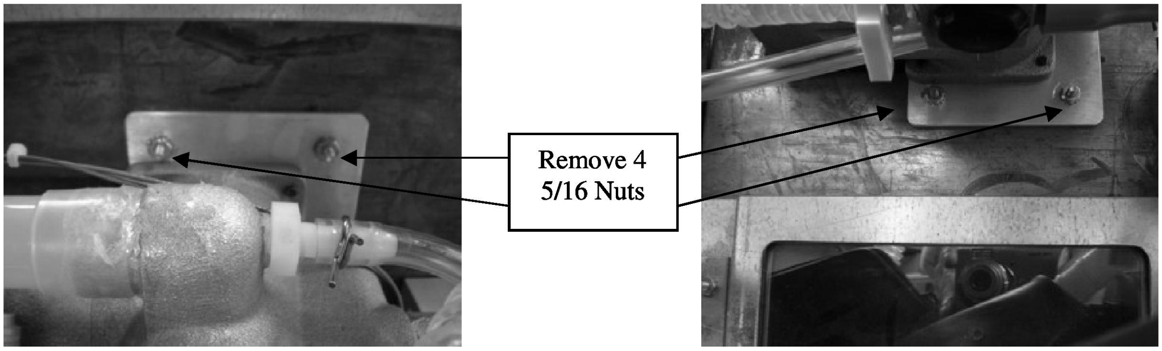
7. Reach into the cabinet and separate the two power connectors located in the cabinet top.


2 Power Connectors

8. You can now lift the panel with all the hoses attached and place it onto the workbench.

9. Label the hoses from the 10-Way Valve so that you can place them back into their proper spots. Disconnect all of the hoses from the 10-Way Valve.

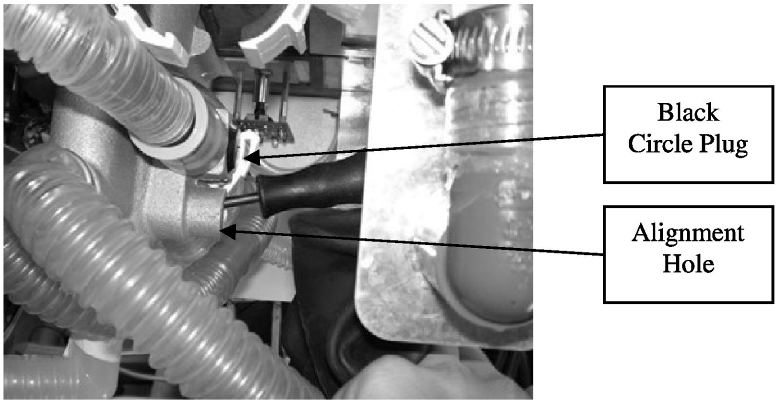
10. Remove the four 5/16 Nuts from the top that hold the 10-Way Valve in place and take it out.



11. Place the new 10-Way Valve back into the system. Reconnect all the hoses.

12. Place the top back into the system and reconnect the hoses and power connectors.

13. Once you have the top open and in order to get the handle to its correct position you must slide a screw driver into the alignment hole “This will also help unscrewing the handle as well”. The alignment hole is located on the right side of the 10-Way Valve on the patient side of the machine under a black circle plug. The screw driver needs to enter the 10-Way Valve. This lets you know that it is in the correct Position. Once you have the handle placed and secured all the way down in its correct position you may close the top up and perform a leak test.



14. Test for correct operation. If you run into any problems please contact the number below.

Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

10 Liter Bag Replacement

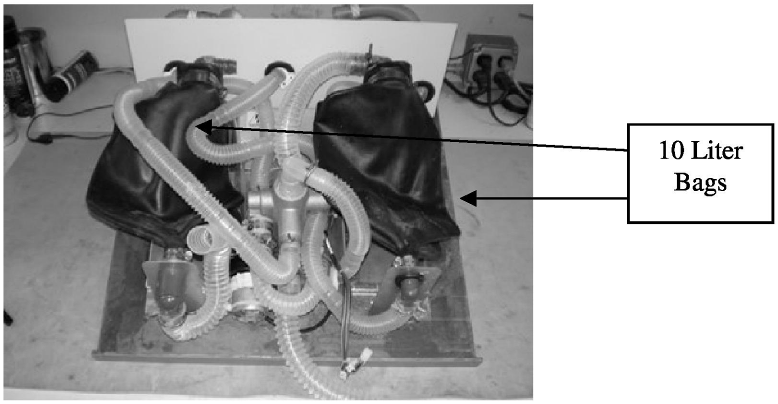
130-610

Tools Required:

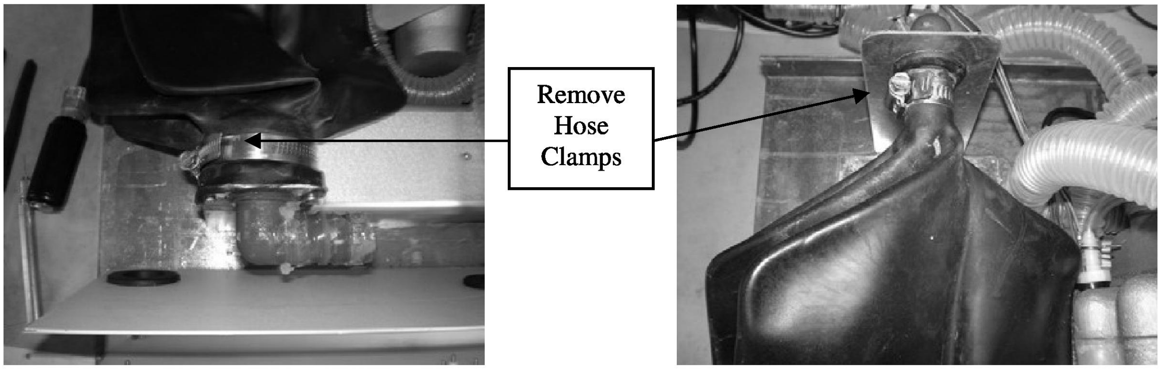
5/16 Nut Driver or
Flat Head Screw Driver
Pair of Scissors

1. You can use the procedure on how to open up the Pulmonex top to access the 10-Liter Bags.

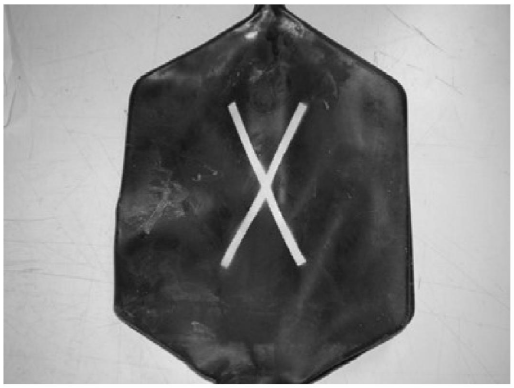
2. Once you have the Pulmonex top on a table you can easily change the 10-Liter Bags.



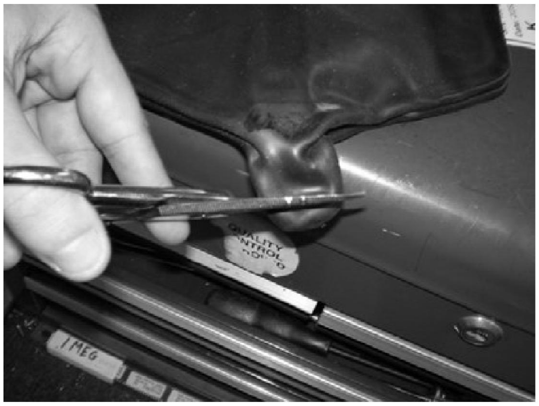
3. Using either a 5/16 Nut Driver or a Flat Head Screwdriver remove the hose clamps on both side of the bags.



4. After you have removed the bag you are replacing you can use white out to mark an X and the new bag so it will be easier to see through the glass when you inflate the bag.



5. You will need to cut open the small end of the bag with a pair of scissors so that it will fit onto the fitting.



6. Attach the bag to the fittings and secure it with the hose clamps. Place the Pulmonex top back into the system and reconnect the connectors and hose clamps. Test for correct operation.

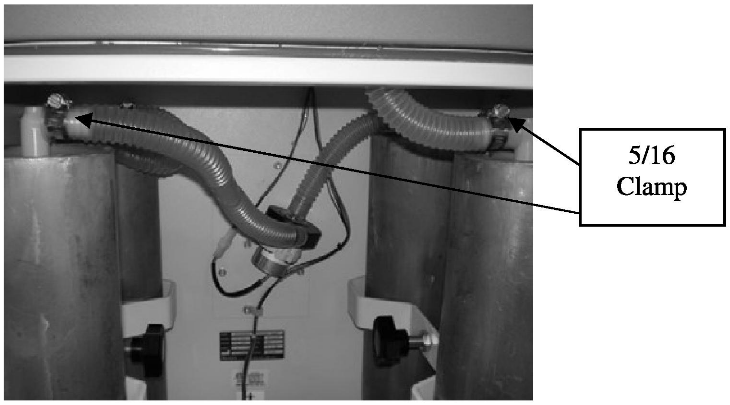
Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

Charcoal Trap
Replacement

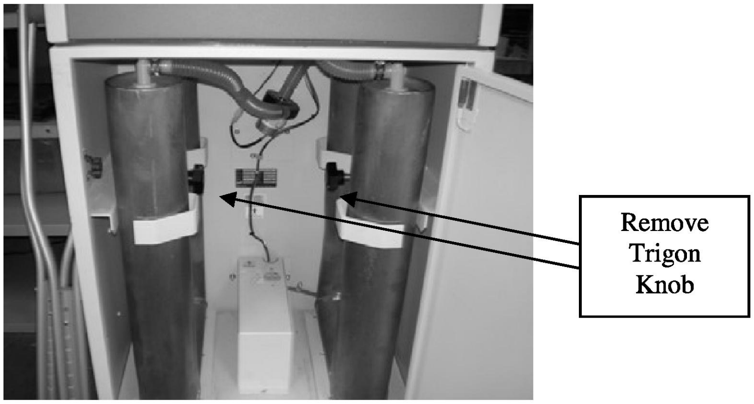
Tools Required:

5/16 Nut Driver
Flat Head Screw Driver

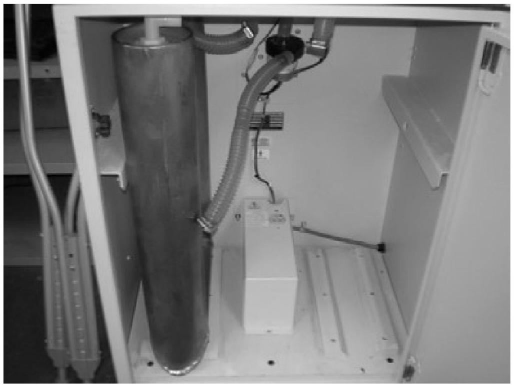
1. Label the four hoses that connect to the Charcoal Trap so that you can place them back in their correct spots. Disconnect the four hoses using a 5/16 Nut Driver or a flat head screw driver.



2. Take the two Cartridge Straps off using the Trigon Knobs.

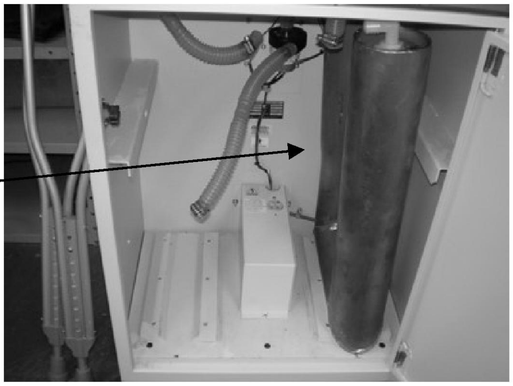


3. Take the Cartridge to the right and remove it from the system.



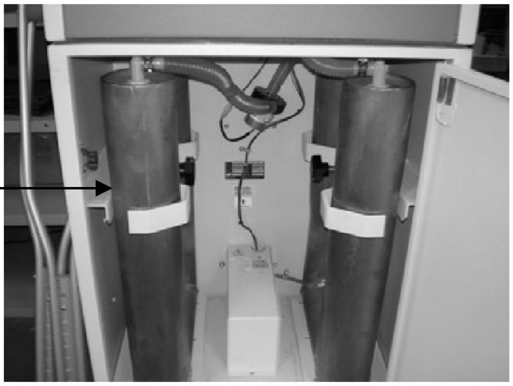
Remove Cartridge

4. Take the Cartridge to the left and move it to the right position.



Move Left to Right

5. Add the new Cartridge to the left position and place the Cartridge Straps and Hoses back into their correct locations.



New Cartridge

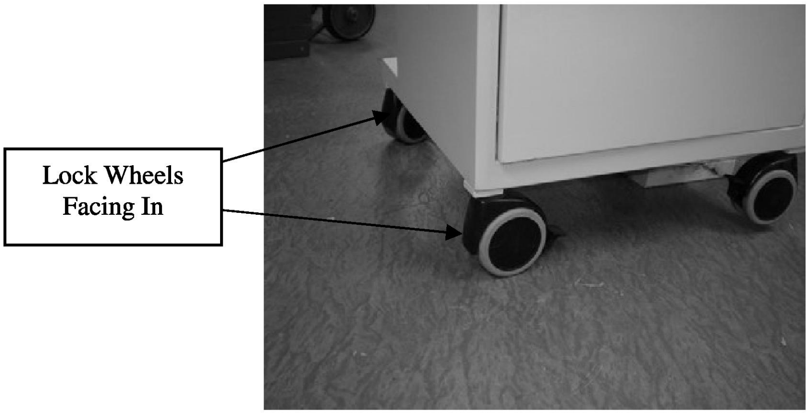
Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

Castor Replacement

Tools Required:

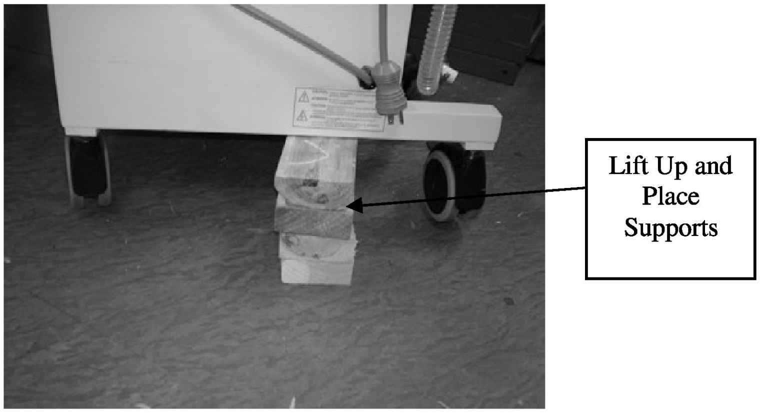
17mm Wrench
4, 2x4’s

1. Lock the wheels on the opposite side of the caster you want to replace. Make sure the wheels are facing in as shown in the picture.



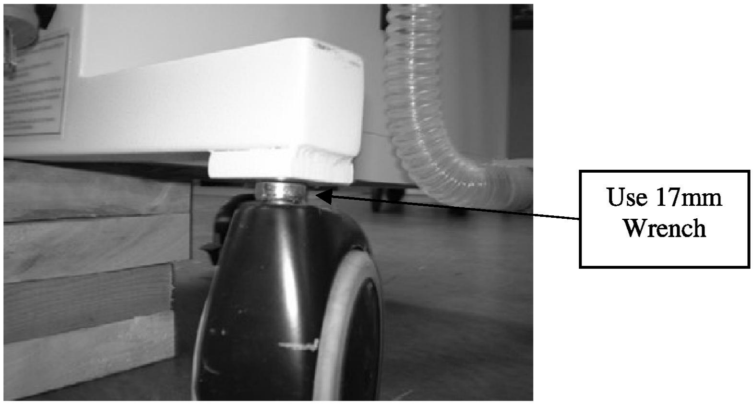
Lock Wheels Facing In

2. On the opposite side of the lock wheels lift the Pulmonex up and place the 4 2x4’s under the Pulmonex.



Lift Up and Place Supports

3. Take the 17mm Wrench and unscrew the wheel.



4. After you have placed the new wheel in lift the Pulmonex and remove the supports.

5. Test for correct operation. If you run into any problems please contact the number below.

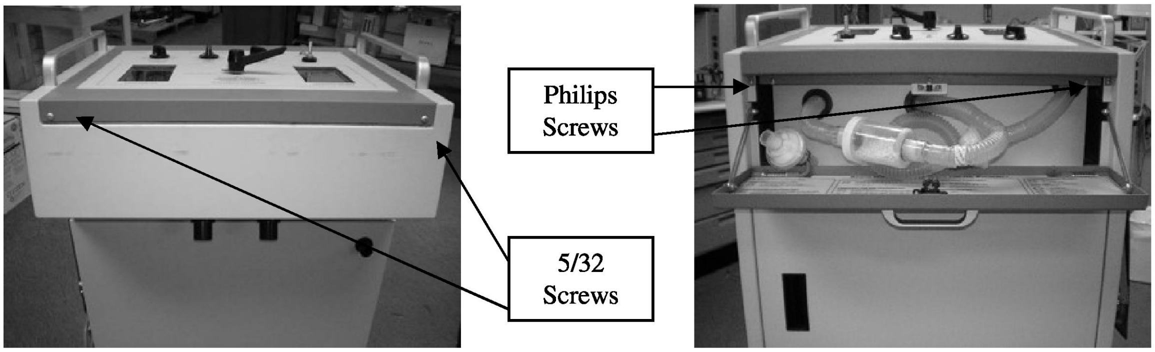
Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

Upper Blower Replacement

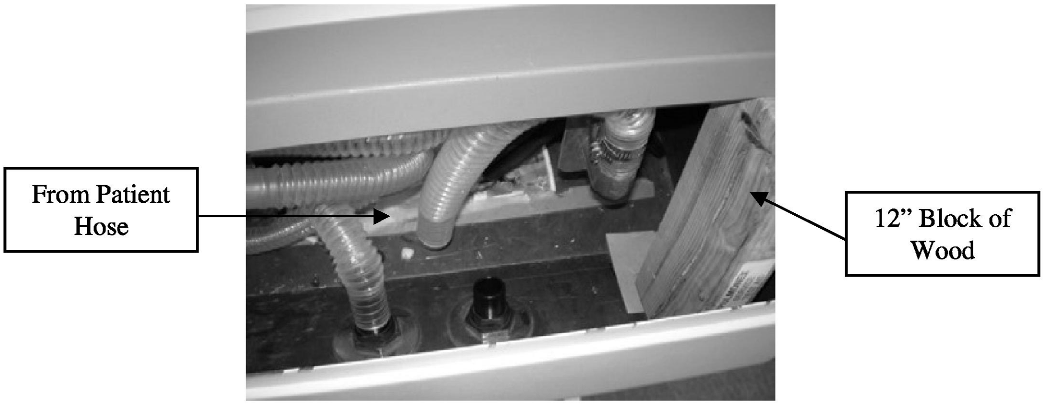
Tools Required

5/32 Allen Key
Flat Head Screw Driver
Philips Head Screw Driver

1. Using a 5/32" HEX Tool screwdriver, remove two HEX screws from the rear of the upper panel. Then remove two screws from the upper panel behind the front drop down door.

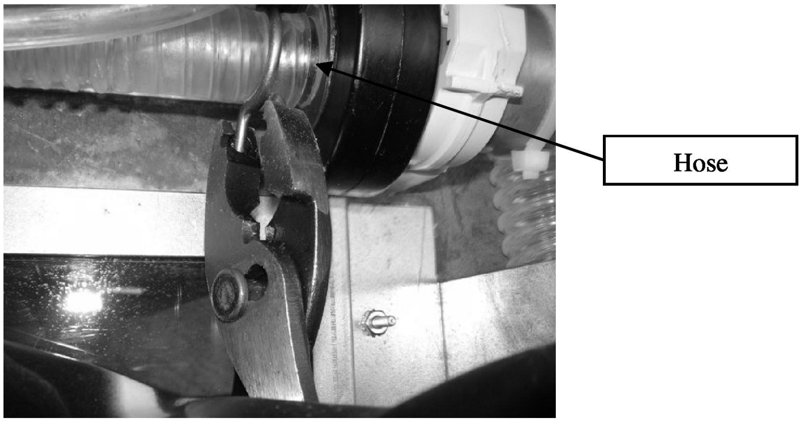

Philips Screws
5/32 Screws

2. With the top panel loose, you can take off the internal from patient hose. Then using a 12-inch block of wood prop the top open. This will provide access to the upper blower.

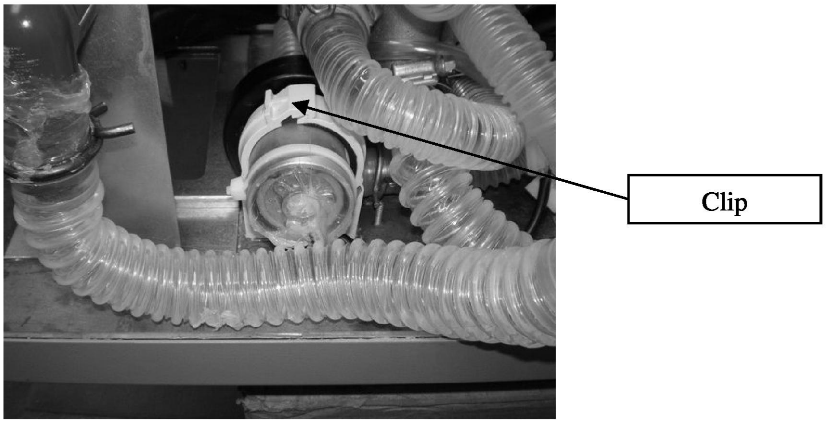

From Patient Hose
12" Block of Wood

3. The Blower is located on the underside of the front panel leftside location.

4. Locate Blower and remove two hoses (note orientation) and disconnect electrical connector.



5. Using Blade screwdriver, unfasten snap ring bracket by inserting blade in slot and twist. Remove Blower.



6. Replace Blower snap bracket, reattach hoses (note orientation), reconnect electrical connector.

7. Test for proper operation.

8. Replace cabinet front panel and secure with four screws.
9. Test for correct operation. If you run into any problems please contact the number below.

Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

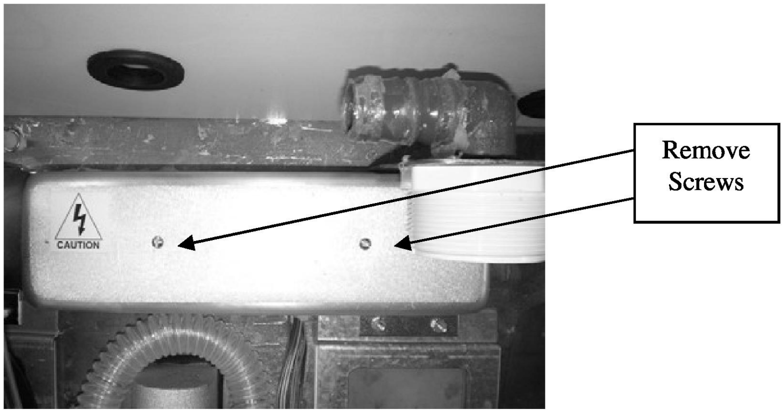
Rhodes Timer
Replacement
C2920

Tools Required

5/64 Allen Key
Flat and Phillips Head Screw Drivers
9/16 Wrench

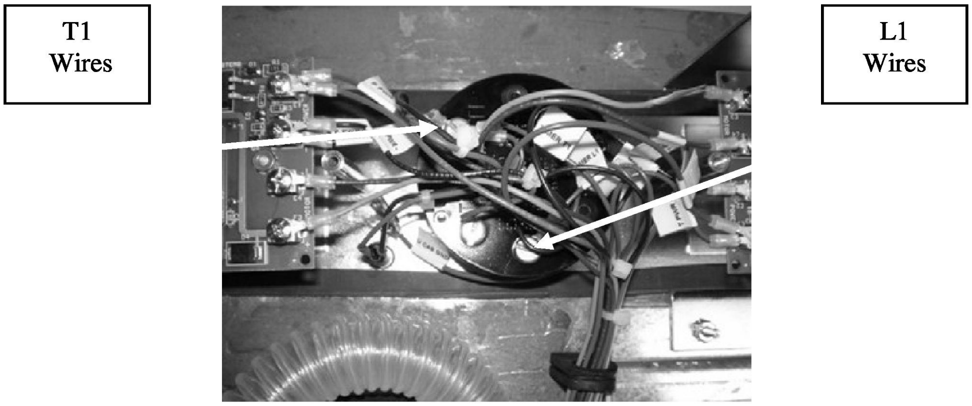
1. You can use the procedure on how to open up the Pulmonex top to access the Rhodes Timer electrical box.

2. Once you have the Pulmonex top on a table you can easily access the cover of the Rhodes Timer. Remove the two flat head screws that hold the cover down.



Remove Screws

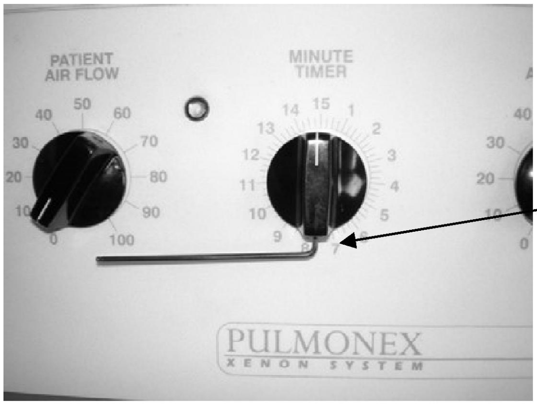
3. With the flat head screw driver remove the two flat head screw that hold the labeled wire T1 and L1.



T1 Wires

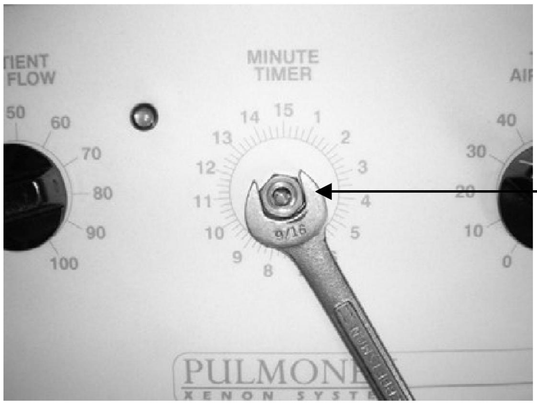
L1 Wires

4. On the front side of the panel take a 5/64 Allen Key and remove the knob.


PATIENT AIR FLOW
MINUTE TIMER
PULMONEX
XENON SYSTEM

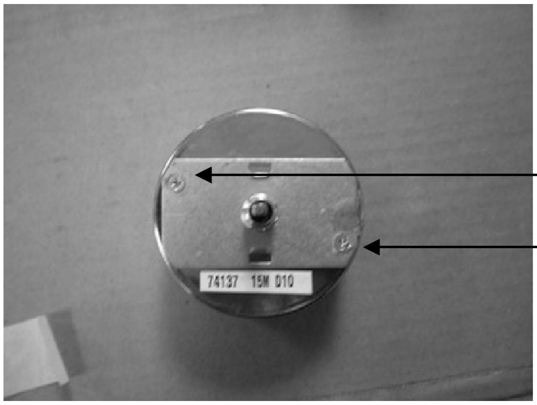
5/64
Allen Key

5. After you remove the knob you will have to remove a 9/16 nut with a wrench and remove the timer.


MINUTE TIMER
9/16
PULMONEX
XENON SYSTEM

Remove
9/16
Nut

6. Once you have the Rhodes Timer removed you have to take off the alignment plate and put it on the new timer. Remove the two Phillips screws and switch the plate.


74137 15M D10

Remove 2
Phillips
Screws

7. Place the new timer in system. Make sure you have L1 on the timer facing away from the front of the unit. Test for correct operation.

Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

Rheostat Replacement

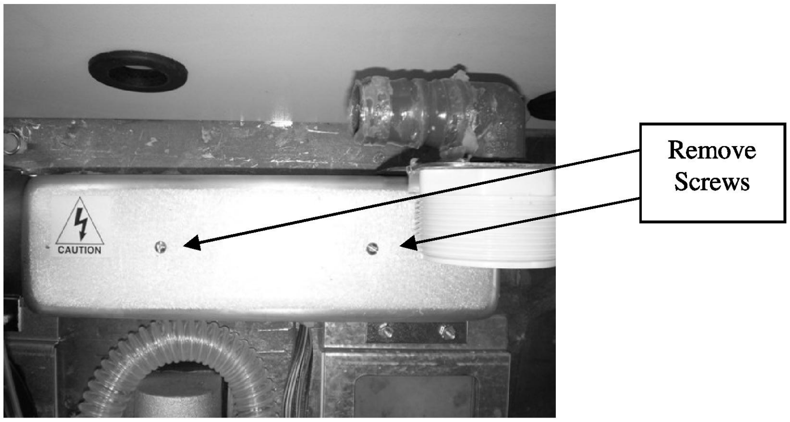
C09337

Tools Required:

Flat Head Screw Driver
Phillips Head Screw Driver
3/32 Allen Key
¼ Inch Nut Remover

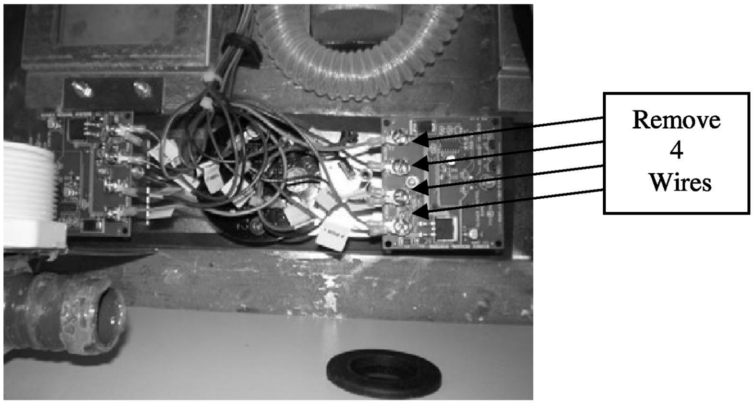
1. You can use the procedure on how to open up the Pulmonex top to access the Rheostat electrical box.

2. Once you have the Pulmonex top on a table you can easily access the cover of the Rheostat. Remove the two flat head screws that hold the cover down.



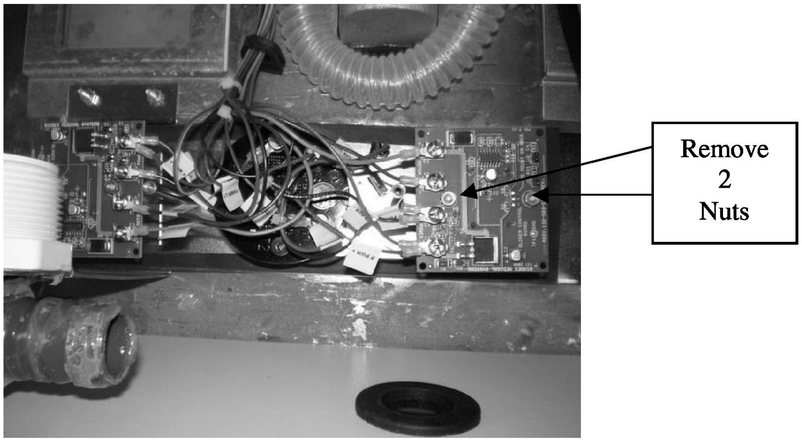
Remove Screws

3. Remove the 4 wire from the PCB board with a Phillips Screw Driver. They are labeled so that you can place them back.



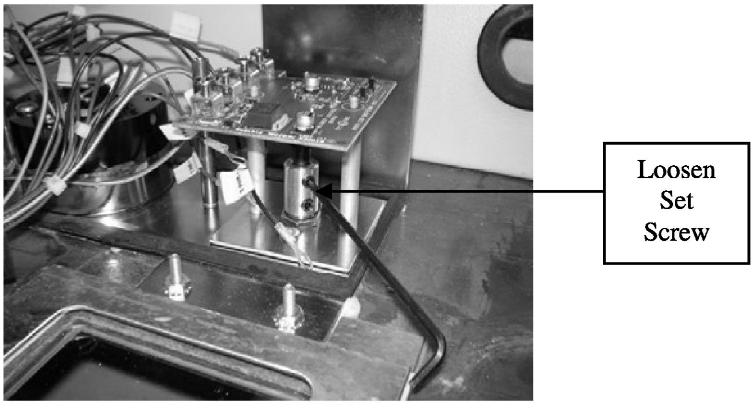
Remove 4 Wires

4. Next remove the 2 ¼ Inch nuts.



Remove
2
Nuts

5. Under the PCB you will find a coupling with a 3/32 Hex Head set screw. Loosen the one closest to the PCB board and remove the bad Rheostat.



Loosen
Set
Screw

6. Place the new Rheostat onto the two post and tighten the screw down just enough that when you hit the end stop it will still move. Adjust the Rheostat on the front panel from 1 to 100. When you have it lined up tighten the set screw down.

7. Test for correct operation.

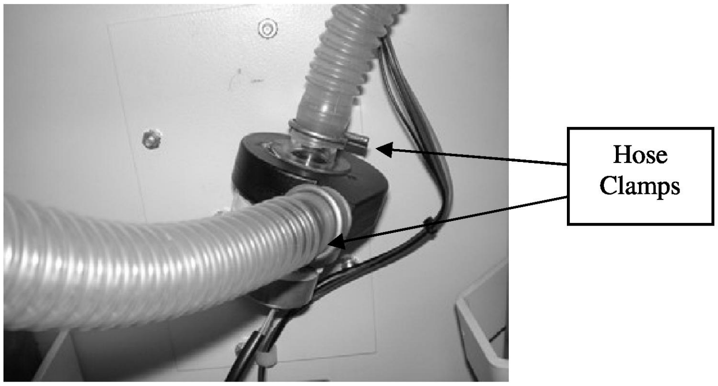
Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

Lower Blower Replacement

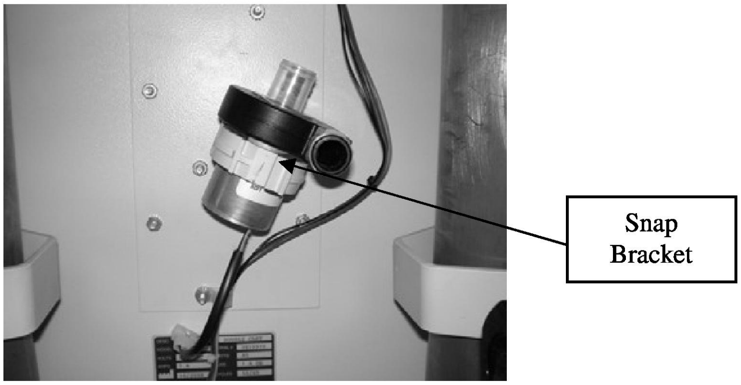
Tools Required:

Hose Clamp Pliers

1. Open the front cabinet door and locate the Lower Blower at the back of the unit. Using the Hose Clamp Pliers remove the wire hose clamp.



2. After you have the hose clamps off you can unsnap the bracket and remove the blower.



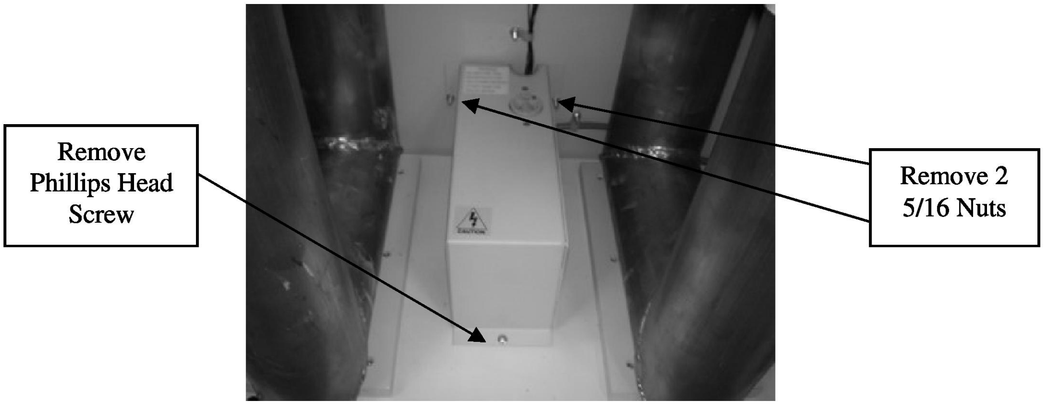
3. Place the New Blower into the Snap Bracket and reconnect the hoses.

Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

Power Supply Replacement

Tool Required:
5/16 Nut Driver
Phillips Head Screw Driver

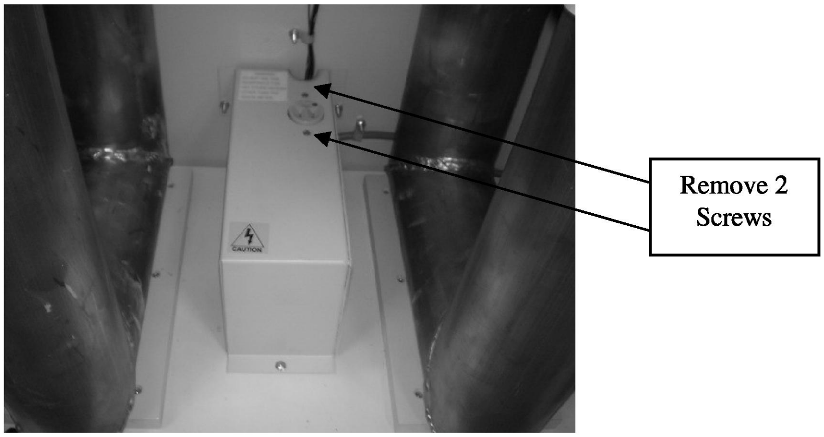
1. Remove the two 5/16 Nuts from the back of the cover and also the one Phillips Head Screw from the front.



Remove Phillips Head Screw

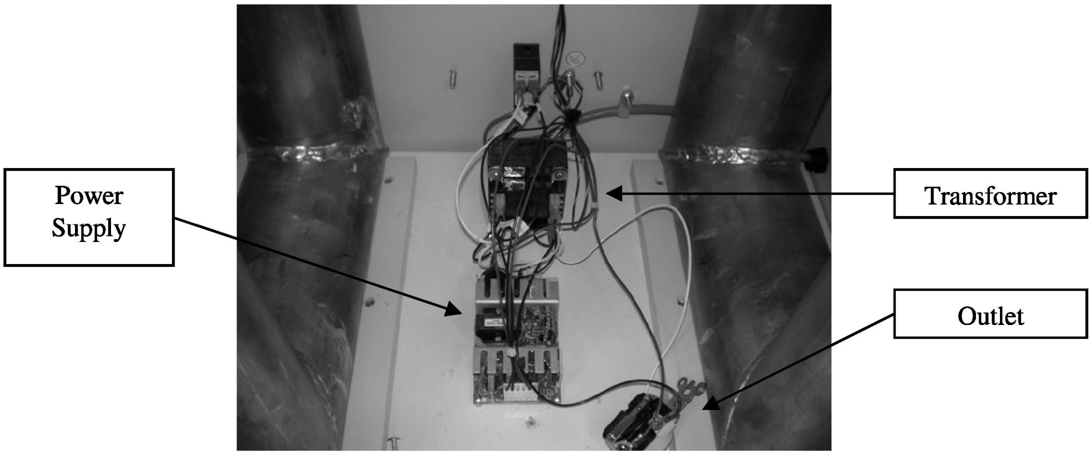
Remove 2 5/16 Nuts

2. You also want to remove the two Phillips head screws that hold the outlet in place so that you can completely remove the cover



Remove 2 Screws

3. Once you have access to the transformer and PCB you change either depending on what is not working.


Power Supply
Transformer
Outlet

4. Test for correct operation after you have replaced the bad part. Put the cover back on when it is working properly.

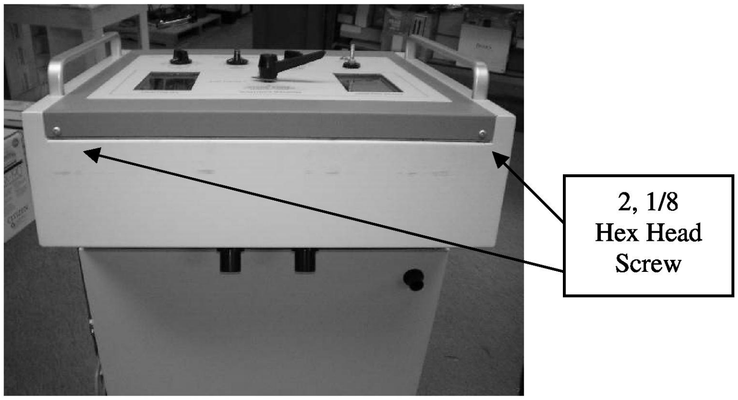
Please call 631-924-9000 x2125, x2124 or x2118 if you have any questions or problems.

How to Replace All Hoses

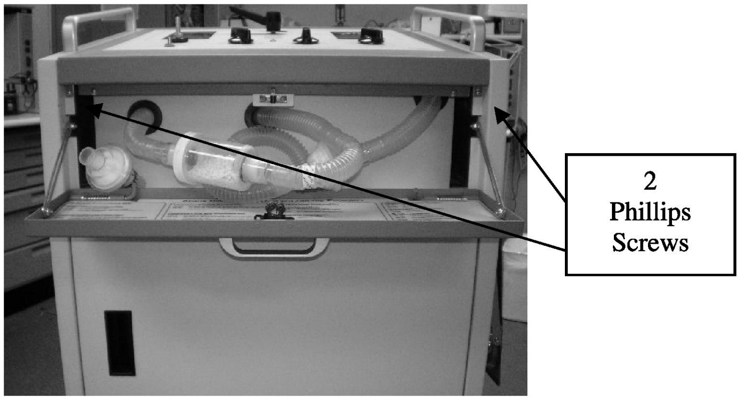
Tools Required:

Hose Clamp Removal Pliers
Medium Phillips Screw Driver
1/8" Hex Head Allen Key
10" Block of 2x4
5/16 Nut Driver

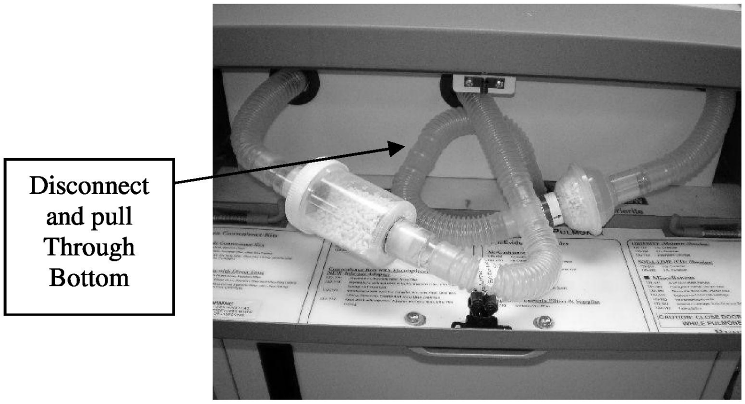
1. Remove the two 1/8 Hex head screws from the patient side of the Pulmonex.


2, 1/8
Hex Head
Screw

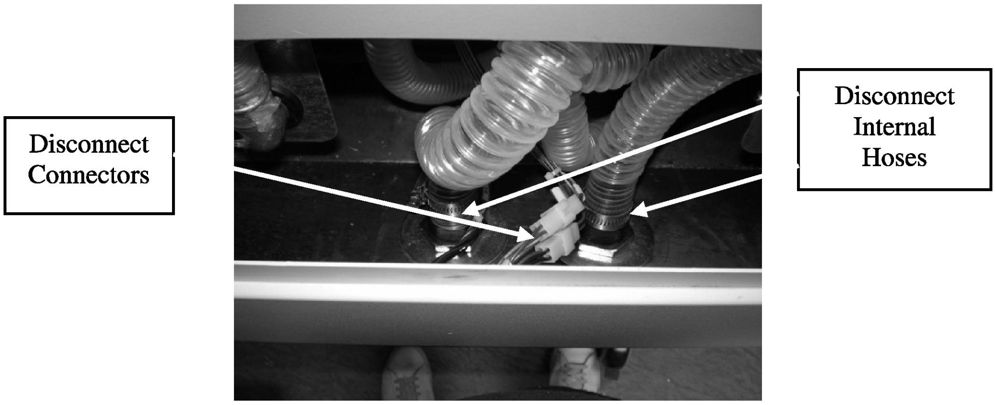
2. Drop down the Draw and Remove the 2 Phillips Head Screws from the front of the system.


2
Phillips
Screws

3. Disconnect the Hose from the Drierite container and pull through to the bottom cabinet. This will keep the hose from getting crushed when you move the top forward.

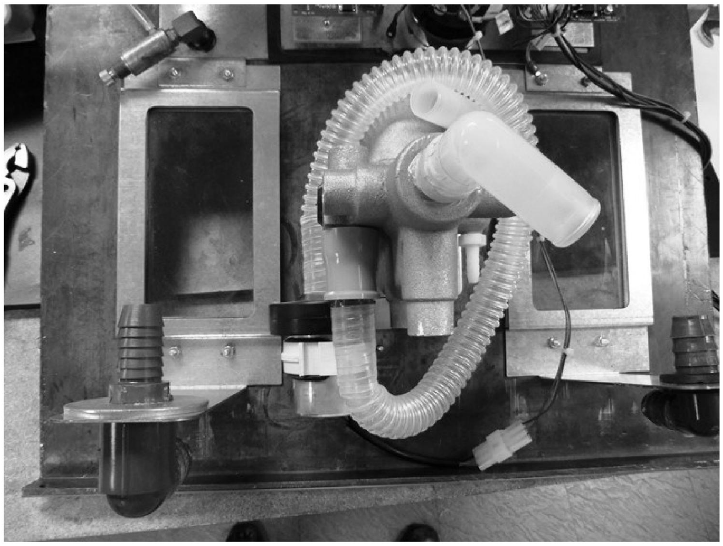

Disconnect and pull Through Bottom

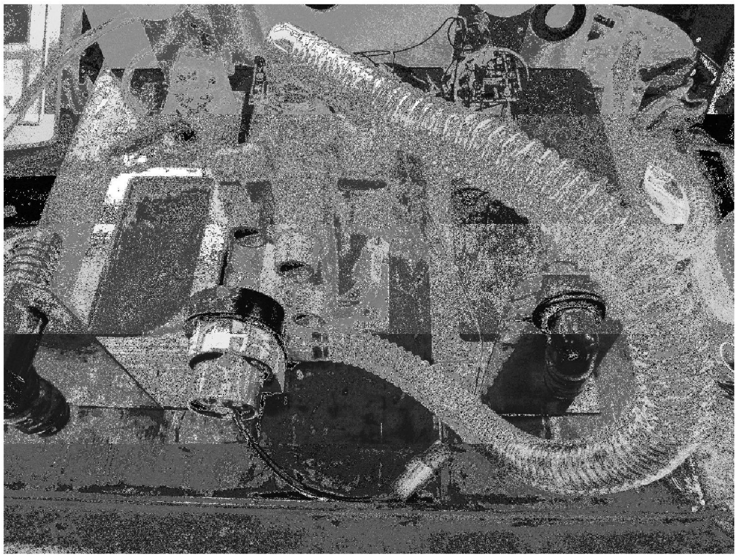
4. Lift the Pulmonex Top up and slide it forward. Disconnect the internal hoses with a 5/16 Nut Driver and disconnect the power connectors.

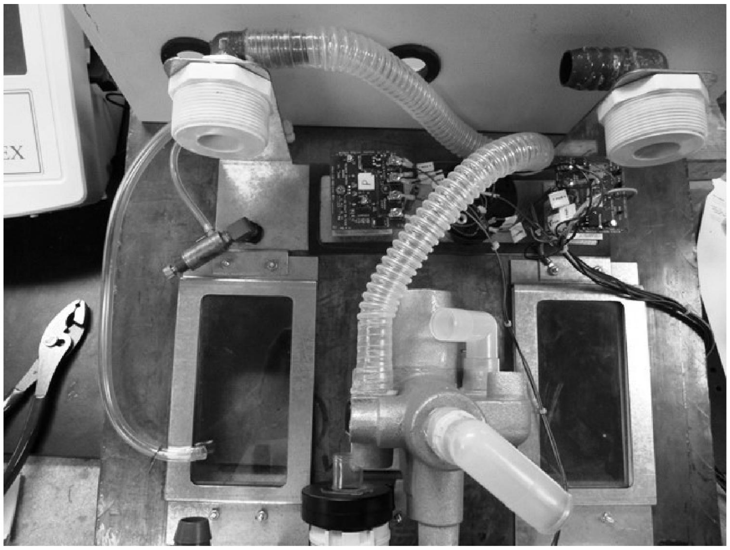

Disconnect Connectors
Disconnect Internal Hoses

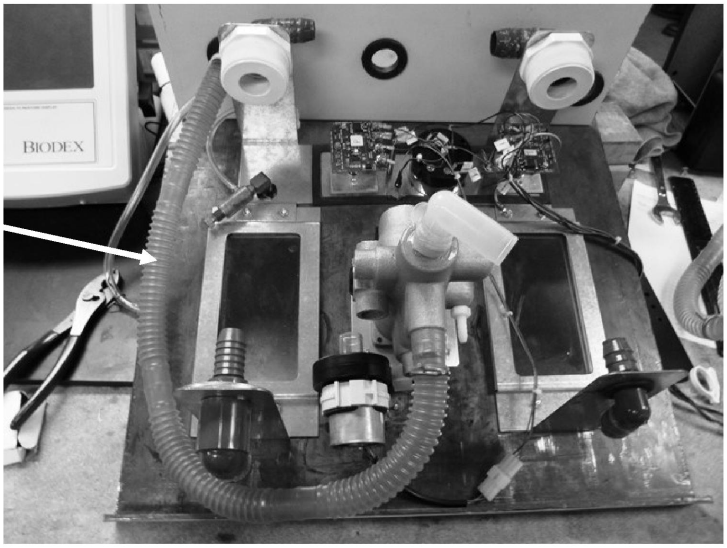
5. Once you disconnect the Internal Hoses you can remove the top and put it on a table to work on.

6. Below are photographs that show where the hoses are connected individually. Just follow the picture to replace each hose. When you remove all the hoses make sure to clean the connector that the hose is on completely. If there is sealant on the connector there will be a chance for a leak.

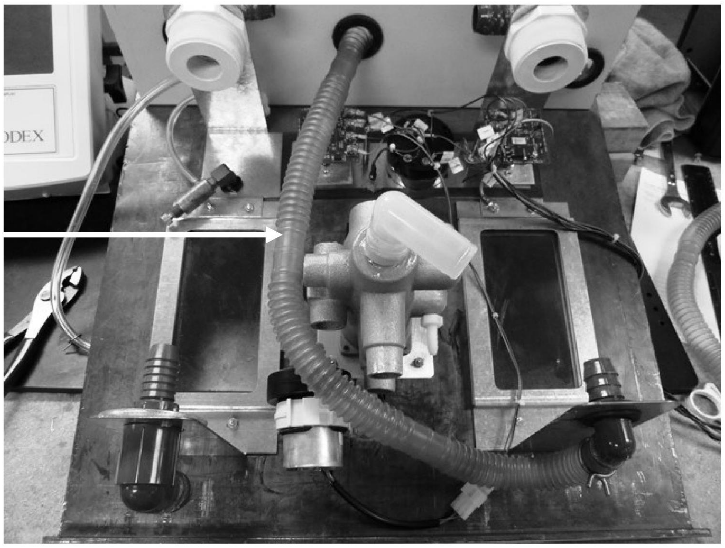




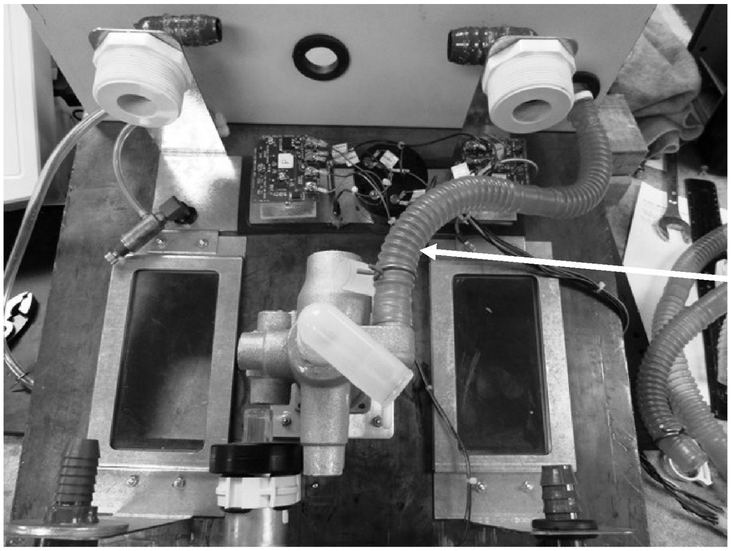




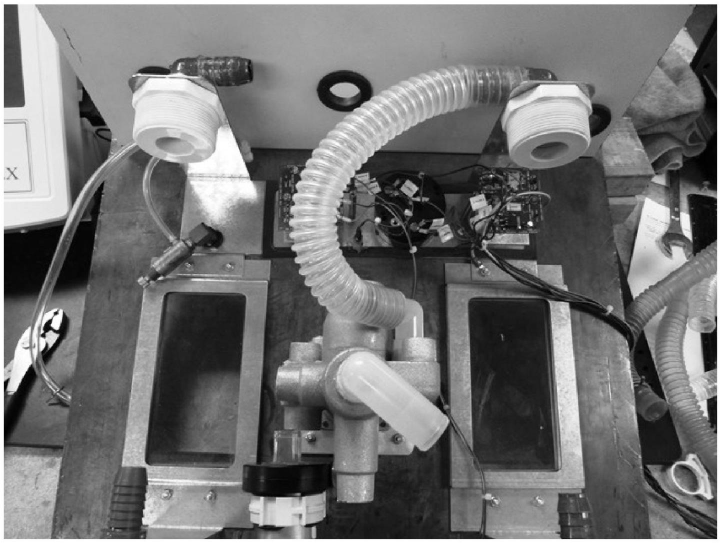
Soda-Lime Hose

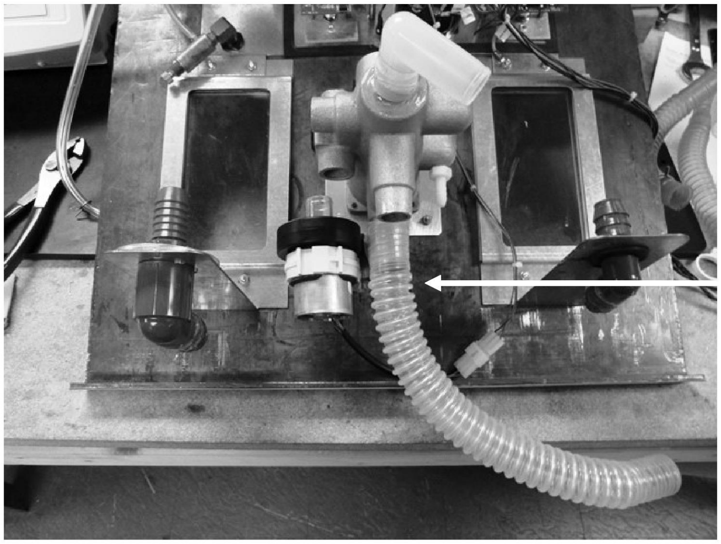


Soda-Lime Hose

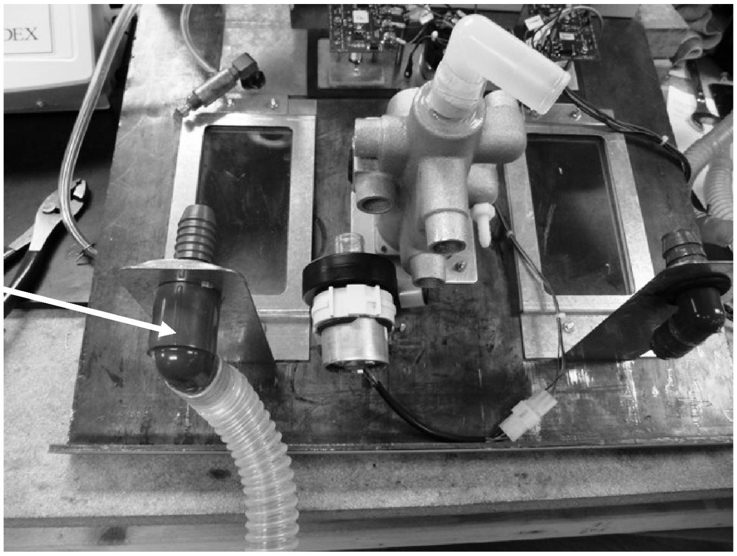


Drierite Hose





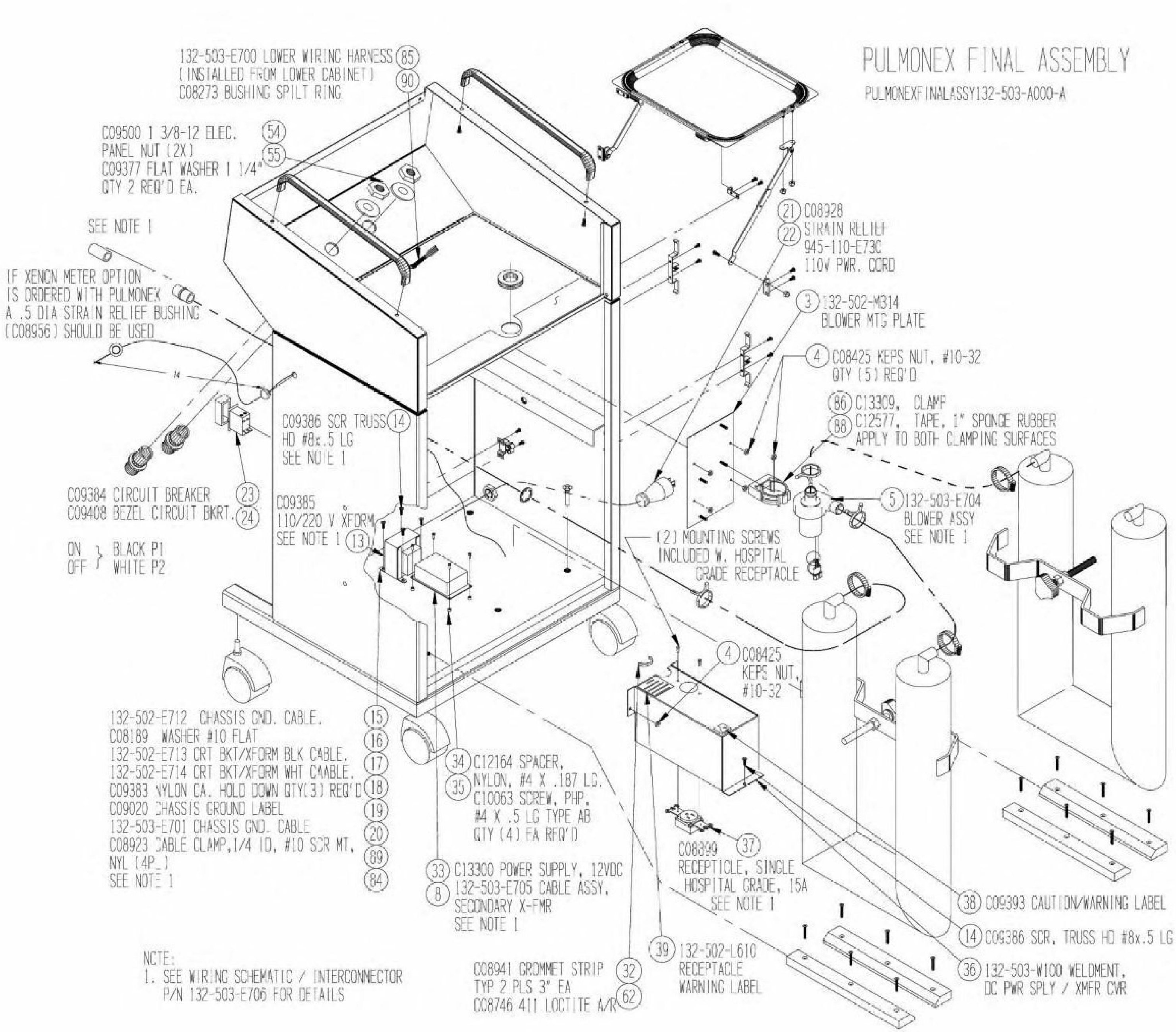
To Patient Hose


From Patient Hose

Please call 631-924-9000 x2803 if you have any questions or problems.

PULMONEX FINAL ASSEMBLY

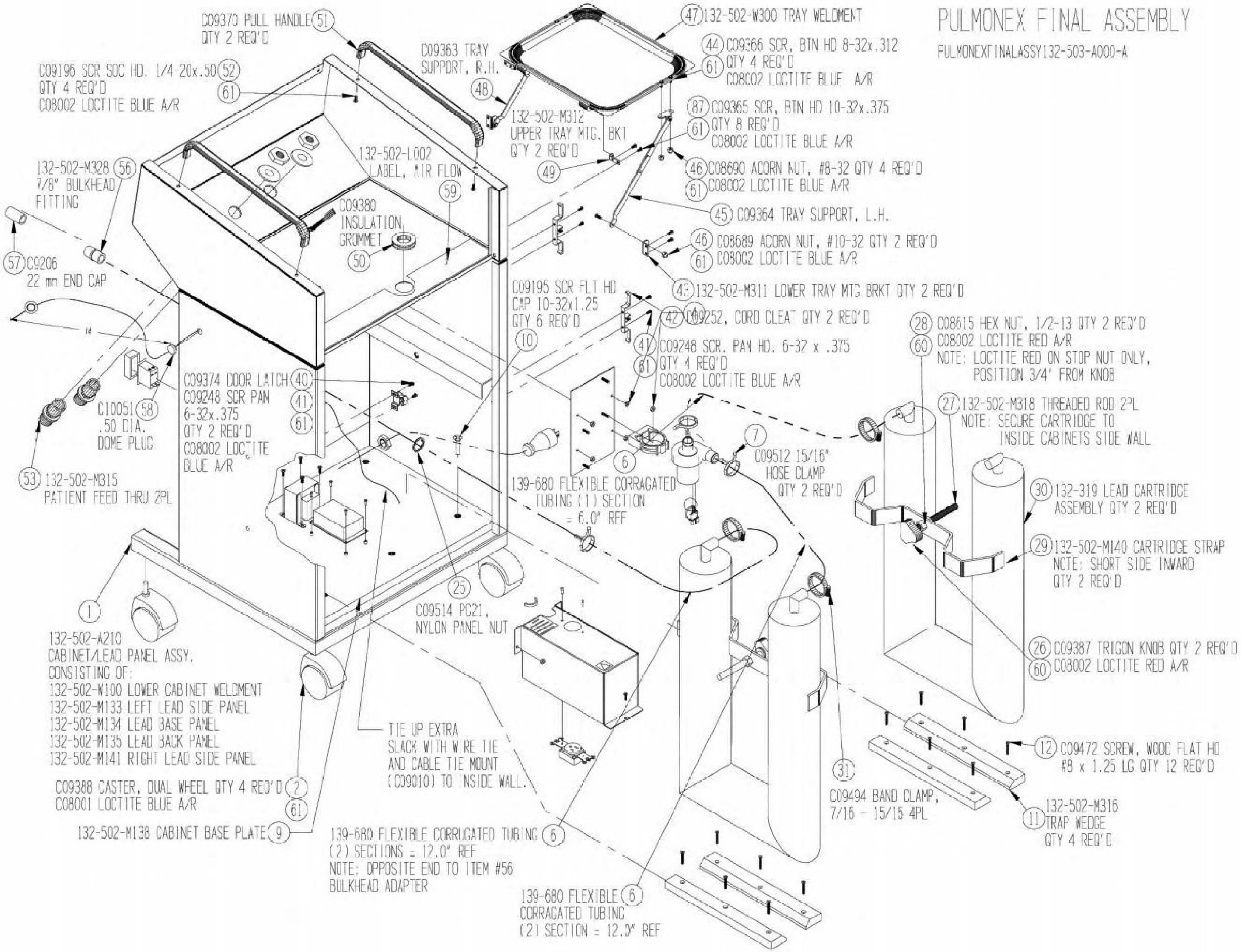
PULMONEXFINALASSY132-503-A000-A


132-503-E700 LOWER WIRING HARNESS (85)
(INSTALLED FROM LOWER CABINET)
C08273 BUSHING SPILT RING (90)
C09500 1 3/8-12 ELEC. PANEL NUT (2X) (54)
C09377 FLAT WASHER 1 1/4" QTY 2 REQ'D EA. (55)
SEE NOTE 1
IF XENON METER OPTION IS ORDERED WITH PULMONEX A .5 DIA STRAIN RELIEF BUSHING (C08956) SHOULD BE USED
14
C09386 SCR TRUSS HD #8x.5 LG SEE NOTE 1 (14)
C09384 CIRCUIT BREAKER (23)
C09408 BEZEL CIRCUIT BKRT. (24)
ON } BLACK P1
OFF } WHITE P2
C09385 110/220 V XFDRM SEE NOTE 1 (13)
132-502-E712 CHASSIS GND. CABLE. (15)
C08189 WASHER #10 FLAT (16)
132-502-E713 CRT BKT/XFORM BLK CABLE. (17)
132-502-E714 CRT BKT/XFORM WHT CAABLE. (18)
C09383 NYLON CA. HOLD DOWN QTY(3) REQ'D (19)
C09020 CHASSIS GROUND LABEL (20)
132-503-E701 CHASSIS GND. CABLE (89)
C08923 CABLE CLAMP,1/4 ID, #10 SCR MT, NYL (4PL) SEE NOTE 1 (84)
(34) C12164 SPACER, NYLON, #4 X .187 LG.
(35) C10063 SCREW, PHP, #4 X .5 LG TYPE AB QTY (4) EA REQ'D
(33) C13300 POWER SUPPLY, 12VDC
(8) 132-503-E705 CABLE ASSY, SECONDARY X-FMR SEE NOTE 1
C08941 GROMMET STRIP TYP 2 PLS 3" EA (32)
C08746 411 LOCTITE A/R (62)
(39) 132-502-L610 RECEPTACLE WARNING LABEL
(21) C08928
(22) STRAIN RELIEF 945-110-E730 110V PWR. CORD
(3) 132-502-M314 BLOWER MTG PLATE
(4) C08425 KEPS NUT, #10-32 QTY (5) REQ'D
(86) C13309, CLAMP
(88) C12577, TAPE, 1" SPONGE RUBBER APPLY TO BOTH CLAMPING SURFACES
(5) 132-503-E704 BLOWER ASSY SEE NOTE 1
(2) MOUNTING SCREWS INCLUDED W. HOSPITAL GRADE RECEPTACLE
(4) C08425 KEPS NUT, #10-32
C08899 RECEPTICLE, SINGLE HOSPITAL GRADE, 15A SEE NOTE 1 (37)
(38) C09393 CAUTION/WARNING LABEL
(14) C09386 SCR, TRUSS HD #8x.5 LG
(36) 132-503-W100 WELDMENT, DC PWR SPLY / XMFR CVR

NOTE:
1. SEE WIRING SCHEMATIC / INTERCONNECTOR P/N 132-503-E706 FOR DETAILS

PULMONEX FINAL ASSEMBLY

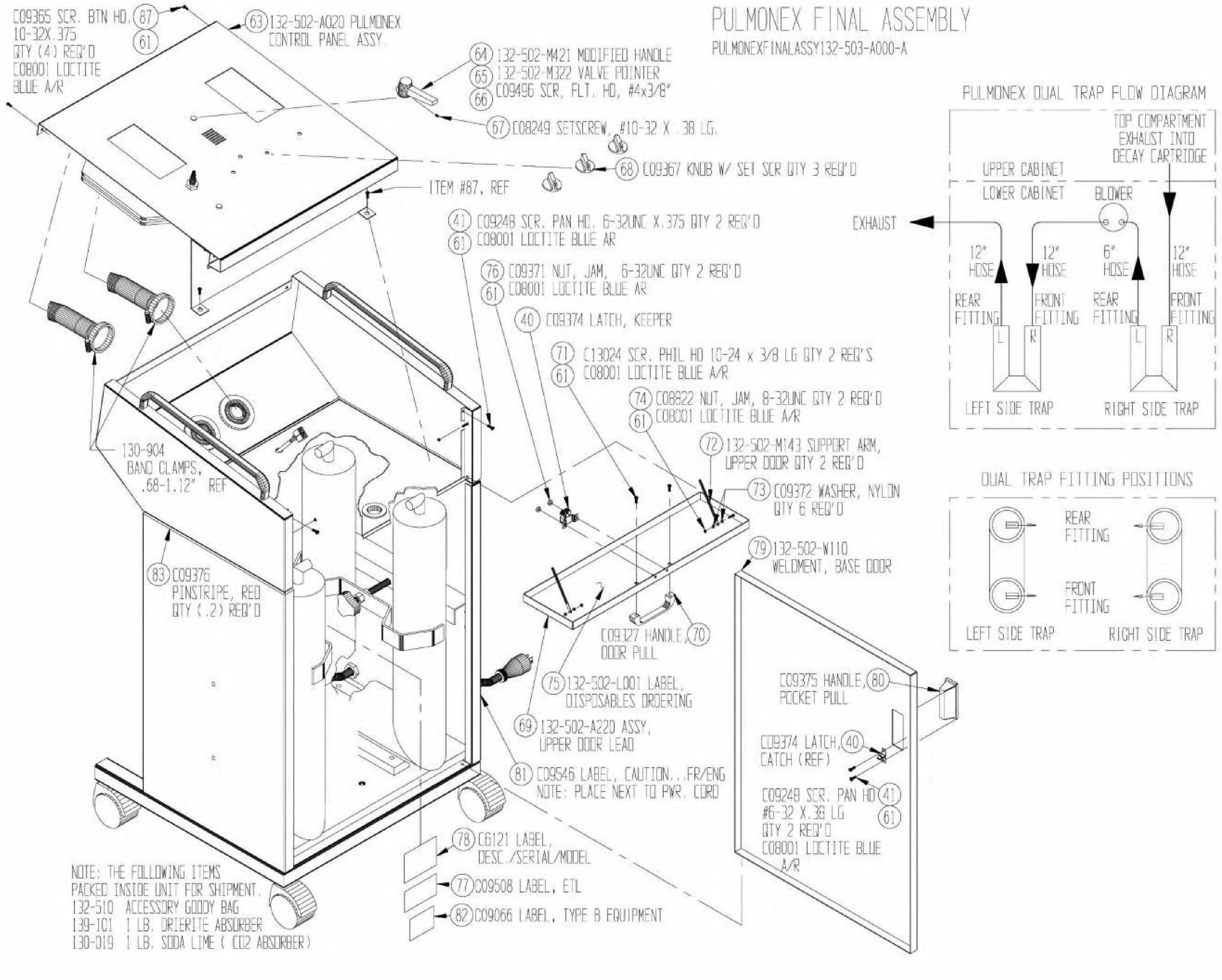
PULMONEXFINALASSY132-503-A000-A



C09370 PULL HANDLE (51) QTY 2 REQ'D
C09363 TRAY SUPPORT, R.H. (48)
(47) 132-502-W300 TRAY WELDMENT
(44) C09366 SCR, BTN HD 8-32x.312 QTY 4 REQ'D (61) C08002 LOCTITE BLUE A/R
C09196 SCR SOC HD. 1/4-20x.50 (52) QTY 4 REQ'D C08002 LOCTITE BLUE A/R (61)
132-502-M312 UPPER TRAY MTG. BKT QTY 2 REQ'D (49)
(87) C09365 SCR, BTN HD 10-32x.375 (61) QTY 8 REQ'D C08002 LOCTITE BLUE A/R
132-502-L002 LABEL, AIR FLOW (59)
(46) C08690 ACORN NUT, #8-32 QTY 4 REQ'D (61) C08002 LOCTITE BLUE A/R
132-502-M328 (56) 7/8" BULKHEAD FITTING
C09380 INSULATION GROMMET (50)
(45) C09364 TRAY SUPPORT, L.H.
(46) C08689 ACORN NUT, #10-32 QTY 2 REQ'D (61) C08002 LOCTITE BLUE A/R
(57) C9206 22 mm END CAP
C09195 SCR FLT HD CAP 10-32x1.25 QTY 6 REQ'D (10)
(43) 132-502-M311 LOWER TRAY MTG BRKT QTY 2 REQ'D
(42) C09252, CORD CLEAT QTY 2 REQ'D
(41) C09248 SCR. PAN HD. 6-32 x .375 (61) QTY 4 REQ'D C08002 LOCTITE BLUE A/R
(28) C08615 HEX NUT, 1/2-13 QTY 2 REQ'D (60) C08002 LOCTITE RED A/R NOTE: LOCTITE RED ON STOP NUT ONLY, POSITION 3/4" FROM KNOB
C09374 DOOR LATCH (40) C09248 SCR PAN (41) 6-32x.375 (61) QTY 2 REQ'D C08002 LOCTITE BLUE A/R
C10051 (58) .50 DIA. DOME PLUG
(27) 132-502-M318 THREADED ROD 2PL NOTE: SECURE CARTRIDGE TO INSIDE CABINETS SIDE WALL
14
(53) 132-502-M315 PATIENT FEED THRU 2PL
(6)
(7) C09512 15/16" HOSE CLAMP QTY 2 REQ'D
139-680 FLEXIBLE CORRAGATED TUBING (1) SECTION = 6.0" REF
(30) 132-319 LEAD CARTRIDGE ASSEMBLY QTY 2 REQ'D
(29) 132-502-M140 CARTRIDGE STRAP NOTE: SHORT SIDE INWARD QTY 2 REQ'D
(25) C09514 PG21, NYLON PANEL NUT
(1) 132-502-A210 CABINET/LEAD PANEL ASSY. CONSISTING OF: 132-502-W100 LOWER CABINET WELDMENT 132-502-M133 LEFT LEAD SIDE PANEL 132-502-M134 LEAD BASE PANEL 132-502-M135 LEAD BACK PANEL 132-502-M141 RIGHT LEAD SIDE PANEL
(26) C09387 TRIGON KNOB QTY 2 REQ'D (60) C08002 LOCTITE RED A/R
TIE UP EXTRA SLACK WITH WIRE TIE AND CABLE TIE MOUNT (C09010) TO INSIDE WALL.
(12) C09472 SCREW, WOOD FLAT HD #8 x 1.25 LG QTY 12 REQ'D
C09388 CASTER, DUAL WHEEL QTY 4 REQ'D (2) C08001 LOCTITE BLUE A/R (61)
(31) C09494 BAND CLAMP, 7/16 - 15/16 4PL
(11) 132-502-M316 TRAP WEDGE QTY 4 REQ'D
132-502-M138 CABINET BASE PLATE (9)
139-680 FLEXIBLE CORRUGATED TUBING (6) (2) SECTIONS = 12.0" REF NOTE: OPPOSITE END TO ITEM #56 BULKHEAD ADAPTER
139-680 FLEXIBLE (6) CORRAGATED TUBING (2) SECTION = 12.0" REF

PULMONEX FINAL ASSEMBLY

PULMONEXFINALASSY132-503-A000-A

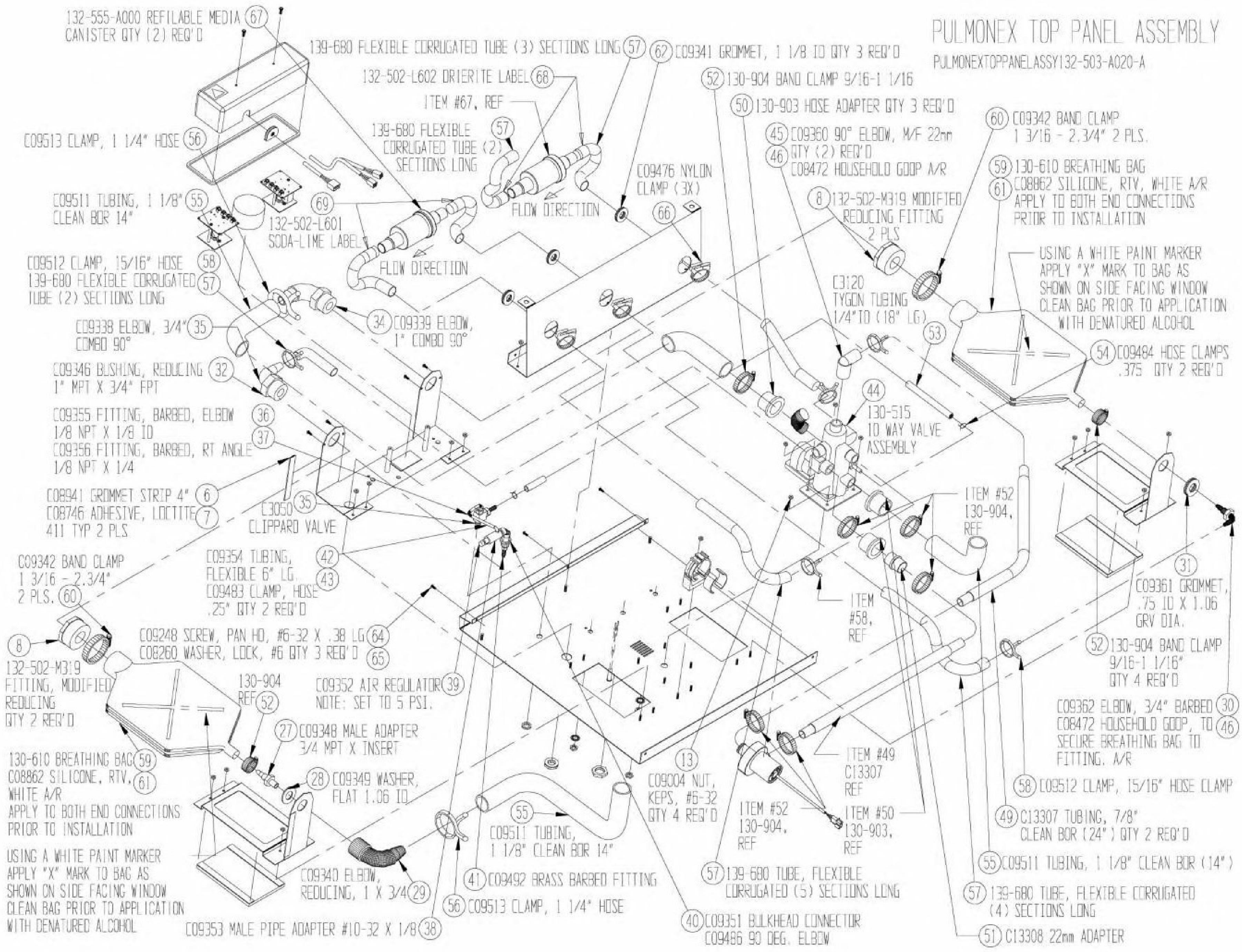


C09365 SCR. BTN HD. 10-32X.375 QTY (4) REQ'D (87)
C08001 LOCTITE BLUE A/R (61)
(63) 132-502-A020 PULMONEX CONTROL PANEL ASSY.
(64) 132-502-M421 MODIFIED HANDLE
(65) 132-502-M322 VALVE POINTER
(66) C09496 SCR, FLT. HD, #4x3/8"
(67) C08249 SETSCREW, #10-32 X .38 LG.
(68) C09367 KNOB W/ SET SCR QTY 3 REQ'D
ITEM #87, REF
(41) C09248 SCR. PAN HD. 6-32UNC X.375 QTY 2 REQ'D
(61) C08001 LOCTITE BLUE AR
(76) C09371 NUT, JAM, 6-32UNC QTY 2 REQ'D
(61) C08001 LOCTITE BLUE AR
(40) C09374 LATCH, KEEPER
(71) C13024 SCR. PHIL HD 10-24 x 3/8 LG QTY 2 REQ'S
(61) C08001 LOCTITE BLUE A/R
(74) C08822 NUT, JAM, 8-32UNC QTY 2 REQ'D
(61) C08001 LOCTITE BLUE A/R
(72) 132-502-M143 SUPPORT ARM, UPPER DOOR QTY 2 REQ'D
(73) C09372 WASHER, NYLON QTY 6 REQ'D
(79) 132-502-W110 WELDMENT, BASE DOOR
130-904 BAND CLAMPS, .68-1.12" REF
(83) C09376 PINSTRIPE, RED QTY (.2) REQ'D
C09327 HANDLE, DOOR PULL (70)
(75) 132-502-L001 LABEL, DISPOSABLES ORDERING
(69) 132-502-A220 ASSY, UPPER DOOR LEAD
(81) C09546 LABEL, CAUTION...FR/ENG NOTE: PLACE NEXT TO PWR. CORD
C09375 HANDLE, POCKET PULL (80)
C09374 LATCH, CATCH (REF) (40)
C09248 SCR. PAN HD #6-32 X.38 LG QTY 2 REQ'D (41)
C08001 LOCTITE BLUE A/R (61)
(78) C6121 LABEL, DESC./SERIAL/MODEL
(77) C09508 LABEL, ETL
(82) C09066 LABEL, TYPE B EQUIPMENT
PULMONEX DUAL TRAP FLOW DIAGRAM
TOP COMPARTMENT EXHAUST INTO DECAY CARTRIDGE
UPPER CABINET
LOWER CABINET
BLOWER
EXHAUST
12" HOSE
12" HOSE
6" HOSE
12" HOSE
REAR FITTING
FRONT FITTING
REAR FITTING
FRONT FITTING
L
R
L
R
LEFT SIDE TRAP
RIGHT SIDE TRAP
DUAL TRAP FITTING POSITIONS
REAR FITTING
FRONT FITTING
LEFT SIDE TRAP
RIGHT SIDE TRAP

NOTE: THE FOLLOWING ITEMS PACKED INSIDE UNIT FOR SHIPMENT.
132-510 ACCESSORY GOODY BAG
139-101 1 LB. DRIERITE ABSORBER
130-019 1 LB. SODA LIME (CO2 ABSORBER)

PULMONEX TOP PANEL ASSEMBLY

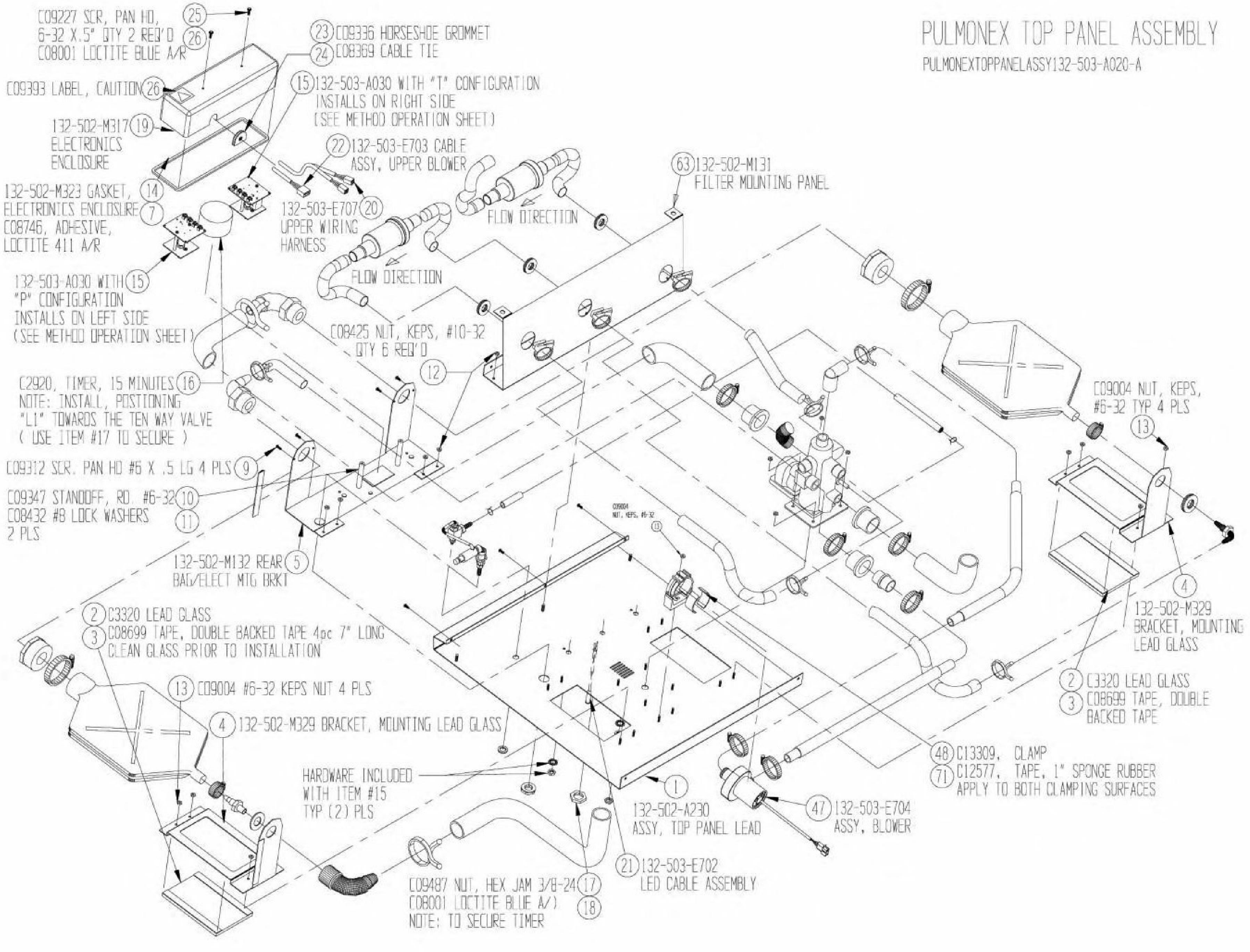
PULMONEXTOPPANELASSY132-503-A020-A



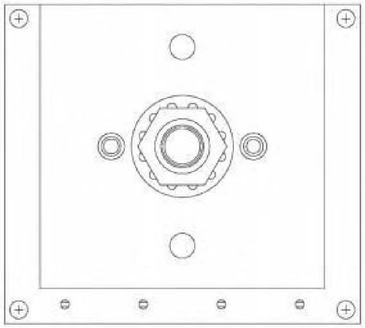
132-555-A000 REFILABLE MEDIA (67)
CANISTER QTY (2) REQ'D
139-680 FLEXIBLE CORRUGATED TUBE (3) SECTIONS LONG (57)
(62) C09341 GROMMET, 1 1/8 ID QTY 3 REQ'D
(52) 130-904 BAND CLAMP 9/16-1 1/16
(50) 130-903 HOSE ADAPTER QTY 3 REQ'D
(45) C09360 90° ELBOW, M/F 22mm
(46) QTY (2) REQ'D
C08472 HOUSEHOLD GOOP A/R
(8) 132-502-M319 MODIFIED
REDUCING FITTING
2 PLS
(60) C09342 BAND CLAMP
1 3/16 - 2.3/4" 2 PLS.
(59) 130-610 BREATHING BAG
(61) C08862 SILICONE, RTV, WHITE A/R
APPLY TO BOTH END CONNECTIONS
PRIOR TO INSTALLATION
USING A WHITE PAINT MARKER
APPLY "X" MARK TO BAG AS
SHOWN ON SIDE FACING WINDOW
CLEAN BAG PRIOR TO APPLICATION
WITH DENATURED ALCOHOL
132-502-L602 DRIERITE LABEL (68)
ITEM #67, REF
139-680 FLEXIBLE (57)
CORRUGATED TUBE (2)
SECTIONS LONG
C09476 NYLON
CLAMP (3X)
(66)
FLOW DIRECTION
C09513 CLAMP, 1 1/4" HOSE (56)
C09511 TUBING, 1 1/8" (55)
CLEAN BOR 14"
(69)
132-502-L601
SODA-LIME LABEL
FLOW DIRECTION
C09512 CLAMP, 15/16" HOSE (58)
139-680 FLEXIBLE CORRUGATED (57)
TUBE (2) SECTIONS LONG
C09338 ELBOW, 3/4" (35)
COMBO 90°
(34) C09339 ELBOW,
1" COMBO 90°
C09346 BUSHING, REDUCING (32)
1" MPT X 3/4" FPT
C09355 FITTING, BARBED, ELBOW (36)
1/8 NPT X 1/8 ID
C09356 FITTING, BARBED, RT ANGLE (37)
1/8 NPT X 1/4
C08941 GROMMET STRIP 4" (6)
C08746 ADHESIVE, LOCTITE (7)
411 TYP 2 PLS
C3050 (35)
CLIPPARD VALVE
C3120
TYGON TUBING
1/4"ID (18" LG)
(53)
(44)
130-515
10 WAY VALVE
ASSEMBLY
(54) C09484 HOSE CLAMPS
.375 QTY 2 REQ'D
ITEM #52
130-904,
REF
C09342 BAND CLAMP
1 3/16 - 2.3/4"
2 PLS. (60)
C09354 TUBING, (42)
FLEXIBLE 6" LG.
C09483 CLAMP, HOSE (43)
.25" QTY 2 REQ'D
ITEM
#58,
REF
(31)
C09361 GROMMET,
.75 ID X 1.06
GRV DIA.
(8)
132-502-M319
FITTING, MODIFIED
REDUCING
QTY 2 REQ'D
C09248 SCREW, PAN HD, #6-32 X .38 LG (64)
C08260 WASHER, LOCK, #6 QTY 3 REQ'D (65)
130-904
REF (52)
C09352 AIR REGULATOR (39)
NOTE: SET TO 5 PSI.
(52) 130-904 BAND CLAMP
9/16-1 1/16"
QTY 4 REQ'D
C09362 ELBOW, 3/4" BARBED (30)
C08472 HOUSEHOLD GOOP, TO (46)
SECURE BREATHING BAG TO
FITTING. A/R
(27) C09348 MALE ADAPTER
3/4 MPT X INSERT
130-610 BREATHING BAG (59)
C08862 SILICONE, RTV, (61)
WHITE A/R
APPLY TO BOTH END CONNECTIONS
PRIOR TO INSTALLATION
(28) C09349 WASHER,
FLAT 1.06 ID
(13)
C09004 NUT,
KEPS, #6-32
QTY 4 REQ'D
ITEM #49
C13307
REF
ITEM #52
130-904,
REF
ITEM #50
130-903,
REF
(58) C09512 CLAMP, 15/16" HOSE CLAMP
(49) C13307 TUBING, 7/8"
CLEAN BOR (24") QTY 2 REQ'D
USING A WHITE PAINT MARKER
APPLY "X" MARK TO BAG AS
SHOWN ON SIDE FACING WINDOW
CLEAN BAG PRIOR TO APPLICATION
WITH DENATURED ALCOHOL
(55)
C09511 TUBING,
1 1/8" CLEAN BOR 14"
C09340 ELBOW,
REDUCING, 1 X 3/4 (29)
(41) C09492 BRASS BARBED FITTING
(56) C09513 CLAMP, 1 1/4" HOSE
C09353 MALE PIPE ADAPTER #10-32 X 1/8 (38)
(57) 139-680 TUBE, FLEXIBLE
CORRUGATED (5) SECTIONS LONG
(40) C09351 BULKHEAD CONNECTOR
C09486 90 DEG. ELBOW
(55) C09511 TUBING, 1 1/8" CLEAN BOR (14")
(57) 139-680 TUBE, FLEXIBLE CORRUGATED
(4) SECTIONS LONG
(51) C13308 22mm ADAPTER

PULMONEX TOP PANEL ASSEMBLY

PULMONEXTOPPANELASSY132-503-A020-A



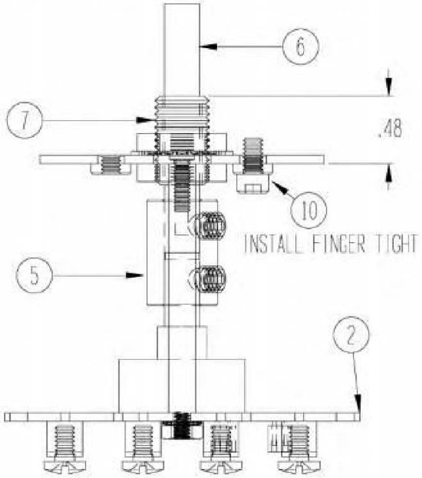
C09227 SCR, PAN HD, 6-32 X.5" QTY 2 REQ'D C08001 LOCTITE BLUE A/R (25) (26)
C09393 LABEL, CAUTION (26)
132-502-M317 (19) ELECTRONICS ENCLOSURE
132-502-M323 GASKET, ELECTRONICS ENCLOSURE (14)
C08746, ADHESIVE, LOCTITE 411 A/R (7)
132-503-A030 WITH (15) "P" CONFIGURATION INSTALLS ON LEFT SIDE (SEE METHOD OPERATION SHEET)
C2920, TIMER, 15 MINUTES (16) NOTE: INSTALL, POSTIONING "L1" TOWARDS THE TEN WAY VALVE (USE ITEM #17 TO SECURE)
C09312 SCR. PAN HD #6 X .5 LG 4 PLS (9)
C09347 STANDOFF, RD. #6-32 (10) C08432 #8 LOCK WASHERS (11) 2 PLS
132-502-M132 REAR (5) BAG/ELECT MTG BRKT
(2) C3320 LEAD GLASS
(3) C08699 TAPE, DOUBLE BACKED TAPE 4pc 7" LONG CLEAN GLASS PRIOR TO INSTALLATION
(13) C09004 #6-32 KEPS NUT 4 PLS
(4) 132-502-M329 BRACKET, MOUNTING LEAD GLASS
HARDWARE INCLUDED WITH ITEM #15 TYP (2) PLS
C09487 NUT, HEX JAM 3/8-24 (17) C08001 LOCTITE BLUE A/) (18) NOTE: TO SECURE TIMER
(23) C09336 HORSESHOE GROMMET
(24) C08369 CABLE TIE
(15) 132-503-A030 WITH "T" CONFIGURATION INSTALLS ON RIGHT SIDE (SEE METHOD OPERATION SHEET)
(22) 132-503-E703 CABLE ASSY, UPPER BLOWER
132-503-E707 (20) UPPER WIRING HARNESS
FLOW DIRECTION
FLOW DIRECTION
C08425 NUT, KEPS, #10-32 QTY 6 REQ'D
(12)
(63) 132-502-M131 FILTER MOUNTING PANEL
C09004 NUT, KEPS, #6-32
(13)
(1) 132-502-A230 ASSY, TOP PANEL LEAD
(21) 132-503-E702 LED CABLE ASSEMBLY
(47) 132-503-E704 ASSY, BLOWER
(48) C13309, CLAMP
(71) C12577, TAPE, 1" SPONGE RUBBER APPLY TO BOTH CLAMPING SURFACES
(2) C3320 LEAD GLASS
(3) C08699 TAPE, DOUBLE BACKED TAPE
(4) 132-502-M329 BRACKET, MOUNTING LEAD GLASS
C09004 NUT, KEPS, #6-32 TYP 4 PLS (13)

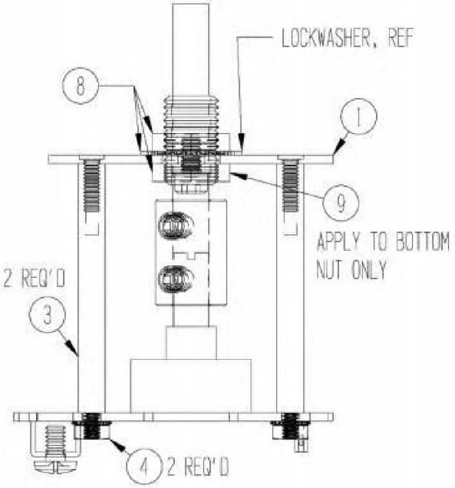


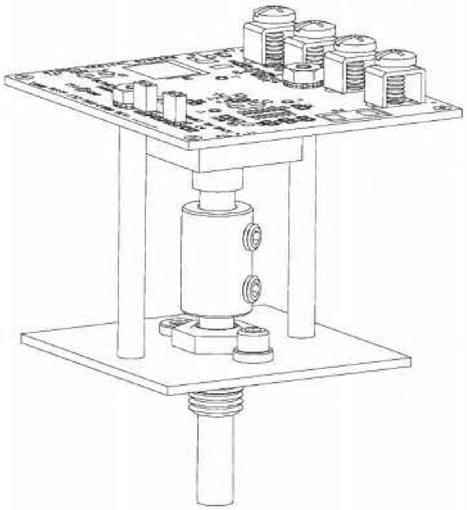
PULMONEX BLOWER PCB ASSY

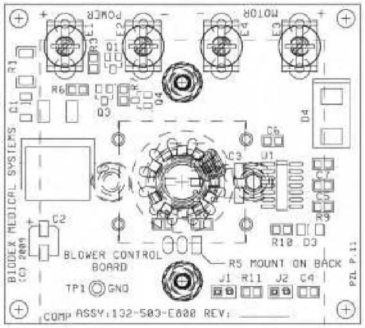
PULMONEXBLOWERPCBASSY132-503-A030-A

NOTES:
IMPORTANT !!
DO NOT INSTALL WITHOUT REFERING TO METHOD SHEET FOR FINAL CONFIGURATION


6
7
.48
10
INSTALL FINGER TIGHT
5
2


LOCKWASHER, REF
8
1
9
APPLY TO BOTTOM
NUT ONLY
2 REQ'D
3
4
2 REQ'D

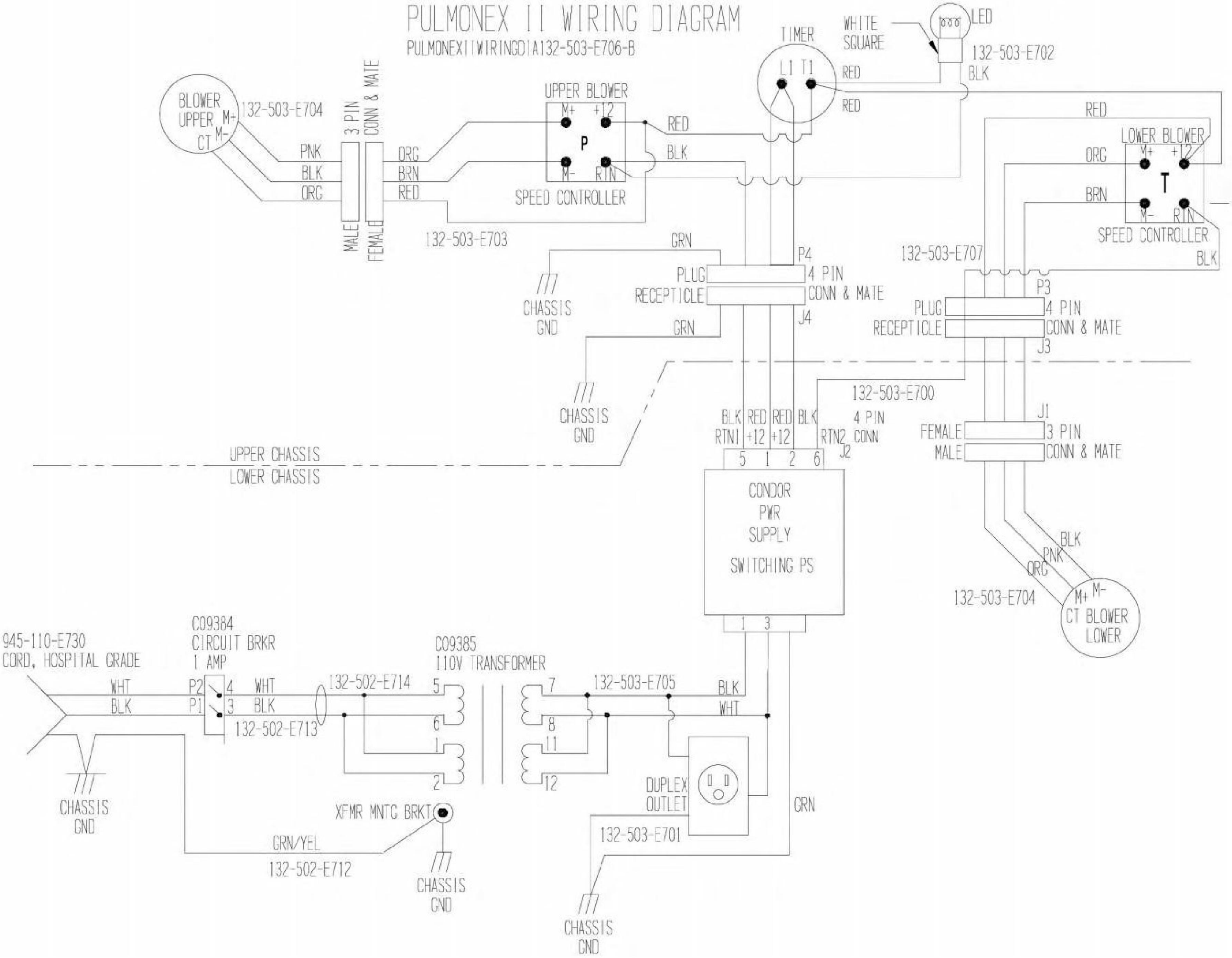


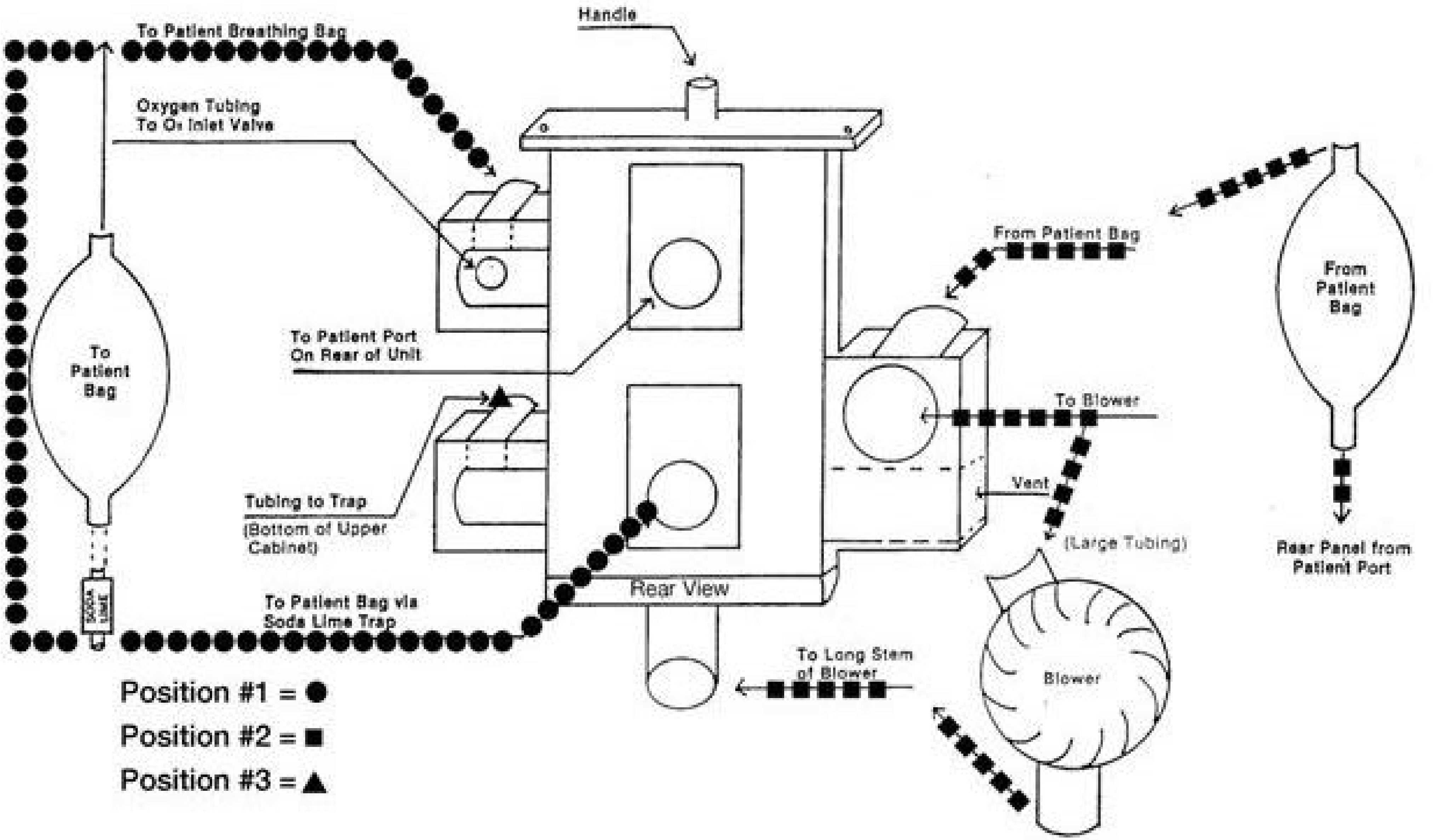

POWER
MOTOR
R1
D1
R6
Q3
Q4
D4
C5
C3
U1
C2
BIODEX MEDICAL SYSTEMS
(C) 2009
BLOWER CONTROL
BOARD
R5 MOUNT ON BACK
R10 D3
R9
TP1
GND
J1 R11 J2 C4
PZL P.11
COMP ASSY:132-503-E800 REV: ______

10	1	C11162	SCREW, HEX SKT CAP, 6-32UNC X .25 LG, NYLON
9	A/R	C08001	LOCTITE, BLUE
8	1	C13306	NUT/WASHER SET (USE ONLY (2) NUTS AND (1) LOCKWASHER)
7	1	132-503-M303	SLEEVE, SHAFT
6	1	132-503-M302	EXTENSION, SHAFT
5	1	C13305	COUPLING, 1/4" SHAFT
4	2	C09247	NUT, KEPS, 4-40UNC, ST STL
3	2	C13304	STANDOFF, 1/4" RND, 1.75" LG M/F, 4-40UNC
2	1	132-503-E800	PCB, PULMONEX BLOWER CONTROL
1	1	132-503-M301	BRACKET, BLOWER PCB MOUNT

PULMONEX II WIRING DIAGRAM

PULMONEXIIWIRINGDIA132-503-E706-B


TIMER
L1 T1
WHITE SQUARE
LED
132-503-E702
BLK
RED
RED
BLOWER UPPER CT
M+
M-
132-503-E704
PNK
BLK
ORG
3 PIN CONN & MATE
MALE
FEMALE
ORG
BRN
RED
UPPER BLOWER
M+
+12
P
M-
RTN
SPEED CONTROLLER
RED
BLK
132-503-E703
GRN
CHASSIS GND
PLUG
RECEPTICLE
P4
4 PIN CONN & MATE
J4
GRN
CHASSIS GND
RED
LOWER BLOWER
M+
+12
T
M-
RTN
ORG
BRN
SPEED CONTROLLER
BLK
132-503-E707
P3
PLUG
RECEPTICLE
4 PIN CONN & MATE
J3
132-503-E700
BLK RTN1
RED +12
RED +12
BLK RTN2
4 PIN CONN
J2
5 1 2 6
UPPER CHASSIS
LOWER CHASSIS
J1
FEMALE
MALE
3 PIN CONN & MATE
CONDOR PWR SUPPLY SWITCHING PS
1 3
BLK
PNK
ORG
132-503-E704
M+
M-
CT BLOWER LOWER
945-110-E730
CORD, HOSPITAL GRADE
WHT
BLK
C09384
CIRCUIT BRKR
1 AMP
P2
P1
4
3
WHT
BLK
132-502-E713
132-502-E714
C09385
110V TRANSFORMER
5
6
1
2
7
8
11
12
132-503-E705
BLK
WHT
DUPLEX OUTLET
132-503-E701
GRN
CHASSIS GND
XFMR MNTG BRKT
GRN/YEL
132-502-E712
CHASSIS GND
CHASSIS GND


To Patient Breathing Bag
Handle
Oxygen Tubing
To O₂ Inlet Valve
To Patient Bag
SODA LIME
To Patient Port
On Rear of Unit
Tubing to Trap
(Bottom of Upper
Cabinet)
To Patient Bag via
Soda Lime Trap
Rear View
From Patient Bag
From Patient Bag
To Blower
Vent
(Large Tubing)
Rear Panel from
Patient Port
To Long Stem
of Blower
Blower
Position #1 = ●
Position #2 = ■
Position #3 = ▲